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Audubon Field Notes

Published by the National Audubon Society in Collaboration with the U. S. Fish & Wildlife Service

54th CHRISTMAS BIRD COUNT

Volume 8, No. 2 two dollars per copy April 1954

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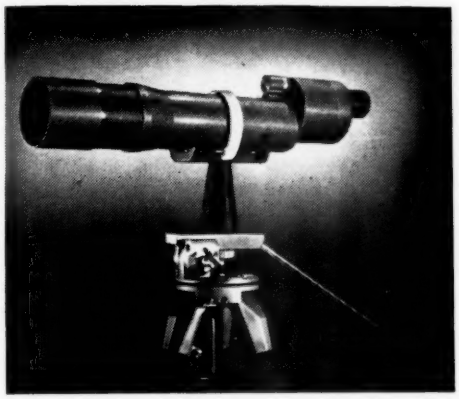

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Audubon FIELD NOTES

Vol. 8, No. 2

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In Collaboration With the United States Fish and Wildlife Service

A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds

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Cover Photograph of Downy Woodpecker by Allan D. Cruickshank

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Fifty-fourth Christmas Bird Count

Edited by Margaret B. Hickey

IT'S A REMARKABLE Christmas Bird Count that doesn't set some new record. The Fifty-fourth was no exception. As the statistical summary at the end of this issue brings out, the Fifty-fourth broke all records for the number of species reported. It broke the all-time high for participants. It yielded a variety of stragglers that staggered the imagination, and it was a Snowy Owl and Gray Shrike year, too!

Reduced to humble figures, the Fifty-fourth matched up to its immediate predecessors as follows:

Year	Reports Printed	Total Individuals	Total Observers	No. with 100 Sp.	Largest No. of Species	
1940	299	2,000,000	2200	12	132	Harlingen
1941	307	4,000,000	2400	11	123	Charleston
1942	250	3,600,000	1620	5	124	"
1943	265	2,600,000	1840	7	127	"
1944	262	5,500,000	2120	7	132	Los Angeles
1945	288	3,100,000	2300	7	136	"
1946	316	1,900,000	3140	15	151	"
1947	314	5,600,000	3470	18	163	Harlingen
1948	357	8,800,000	3670	21	146	"
1949	403	8,600,000	4615	28	151	"
1950	432	6,500,000	4875	32	172	"
1951	433	7,500,000	5151	38	150	Los Angeles
1952	456	12,100,000	5887	39	151	Laguna Atascosa; Los Angeles
1953	521	9,480,000	7384	45	162	Wilmington

The total count of individuals, as usual, varied according to the success of observers in reaching great communal roosts and large waterfowl refuges. Five such areas covered in 1952 were not checked in 1953 (Monomoy, Susquehanna Flats, Vicksburg, Gray Lodge Refuge, and the Sacramento Refuge); their total in 1952 was 3,100,000. The big counts in 1953 came from Laguna Atascosa (Tex.: 1,108,735), Reelfoot Lake (Tenn.: 633,098), Fort Worth (Tex.: 510,360), Memphis (Tenn.: 307,654), Long Branch (N.J.: 227,197), and Nashville (Tenn.: 211,364). Eleven other areas went over 100,000 individuals (in Calif., Idaho, Ill., Ky., N.Y., N.J., Tenn., and Tex.). One of the most remarkable counts was the Manhattan Island one totaling 148,840 (10th highest in the nation!). It is clear that not many participants have yet mapped their communal bird roosts and carefully organized their Christmas Count to include them.

Variety. — Wilmington, N.C., topped all other areas with a list of 162 species. Laguna Atascosa was second with 157. The Sabine National Wildlife Refuge (La.) and Los Angeles tied for third at 153. St. Marks (Fla.), Cocoa (Fla.), Houston (Tex.), Cape May (N.J.), Salinas (Calif.), and Coot Bay (Fla.) made up the rest of the first ten. The Newport (R.I.) count of 131 was remarkable for an area so far north; and a Santa Catalina Mts. (Ariz.) count of 103 interesting for inland variety.

General trends.—The 4-year cyclic dispersal of Snowy Owls yielded 91 reported birds in 1945, 145 in 1949, and 88 in 1953. While these spectacular birds got as far south as South Dakota, Iowa, Illinois, and Washington, D.C., this year's report showed many birds in southern Canada, where 22 were reported, as against 21 in New England, 14 in the Middle Atlantic States, and 31 from Montana east to Michigan.

The Gray Shrike invasion furnished 62 reports for Canada, 21 for New England, 28 for the Middle Atlantic area, 53 for the Middle West, and 36 for other states as far west as Oregon. The 19 reports of Red Crossbills were widely scattered and as far south as El Paso; the 14 reports of White-winged Crossbills were restricted to eastern Canada and the northern tier of states (Michigan to Maine). Evening Grosbeaks were reported (43 times) mostly from Oregon and Washington east to Minnesota and Wisconsin; Pine Grosbeaks 26 times and mostly from Colorado to Minnesota.

Twenty-eight different species of warblers were recorded. As might be expected, these were mostly restricted to the southernmost tier of states from Florida to California; nonetheless, 13 species were found north of this area: Black and White Warbler in North Carolina, South Carolina, and Georgia; Worm-eating Warbler in South Carolina; Orange-crowned Warbler in 15 states north to Ohio and Massachusetts; Nashville Warbler in New Jersey; Myrtle Warbler in Nova Scotia, Ontario, and 32 states north to Maine, Michigan, and Washington; Audubon's Warbler and Townsend's Warbler in Washington and Oregon; Yellow-throated Warbler in North Carolina, South Carolina, and Georgia; Pine Warbler in 15 states north to Massachusetts, Ohio, Arkansas, and Oklahoma; Prairie Warbler in North Carolina; Palm Warbler and Yellow-throat in every state along the Atlantic Seaboard north to New Hampshire and Massachusetts, respectively; and Yellow-breasted Chat in Massachusetts, Rhode Island, Connecticut, New Jersey, Pennsylvania, Maryland, and Delaware. A quarter of a century ago the Common Yellow-throat and Yellow-breasted Chat were completely unknown in New England after October.

In seeking to explain late stragglers, rarities, and the presence of large numbers of certain species, observers commented especially on the dry and mild weather conditions that prevailed over almost the entire country. A White Pelican lingered in open water in Minnesota until February. In their respective ranges, both species of meadowlark consistently appeared in reports from the northern tier of states. Carolina Wrens were reported as far north as South Dakota, Wisconsin, and Ontario (4 localities), and were well distributed in the Northeast. Dickcissels were once again restricted to the Northeast—17 localities from Massachusetts to Virginia, with Newport County, R.I., reporting 6 birds. Baltimore Orioles were confined to the Atlantic Seaboard from Massachusetts to Florida, with as many as 4 birds each at

Greenville and Mount Olive, N.C. Possibly extending its range westward, the Swamp Sparrow was observed at two localities in Colorado, 2 in New Mexico, and 1 in Arizona. In the biggest Christmas Bird Count ever to be printed, lack of space prohibits calling attention to the great many other fascinating and interesting features that resulted from this Count.

Observers.—The average number of observers per Count this year reached a new high of 14.1. As in the past, this is inevitably reflected in improved quality of the Counts and in more thorough coverage of the various areas. Once again Los Angeles, with 122 observers, probably had the most intensive coverage. Many other Counts were obviously well organized; outstanding among these were: Westport, Conn., with 43 observers in the field and 73 watching feeding stations; Port Chester, N.Y.–Greenwich, Conn., with 73 observers and 56 at feeding stations; Great Swamp–Watchung Ridges, N.J., with 33 observers and 56 at feeding stations; Washington, D.C., with 89; Detroit with 78; and Portland, Oreg., with 72. The group covering the Sabine Refuge, La., certainly deserves special commendation for the way in which that Count was organized: insofar as possible, rarities were "staked out" ahead of time, competent field parties were assigned their special areas on the designated day, and on the day *following* the Count qualified observers were sent out to check once more and verify all unusual and rare reports. Such procedures as this are of inestimable help in raising the Count standards above the realm of pure sport to something of real value.

The 521 printed reports this year represented the efforts of some 7384 participants. Total party-hours amounted to 18,789 and party-miles came to a total of 68,715 (of which 13,715 were covered on foot).

Editorial policy.—The Christmas Bird Count is rightfully regarded as a sport by some and quite rightfully by others as a contribution to knowledge. The editors of *Audubon Field Notes* have long been happy to recognize this dual function that the Count has enjoyed. We do, however, regard it a high responsibility to bestow on each report a generous amount of scientific skepticism, to question the compilers for details about unusual records, and to regard extreme rarities as doubtful until proven otherwise. This does not imply that all men are liars until proven honest; it simply expresses a conservative approach in asking for facts to permit an independent decision on the acceptability of a report as a *scientific* fact. Correspondence with over 350 people was carried out prior to publication of the Fifty-fourth Count. Their patience and cooperation made it possible for the editor to meet an inexorable series of printing deadlines that stretched from January 15 to May 1.

The editor wishes that time would have permitted a personal letter of thanks to those compilers who took the time and effort to submit reports correct in every detail. She would like to thank many other compilers who responded promptly and efficiently to requests for additional information of various kinds, and only regrets that time alone prevented a personal acknowledgment of each of these much-appreciated and interesting letters. As has always been necessary in the past, a certain number of reports had to be rejected because of their not conforming to some of the Count's basic regulations. Announced dates are strictly adhered to, coverage of less than 7 hours is ordinarily considered to be inadequate, and areas representing more than a 15-mile diameter are excluded. Instructions for taking a Christmas Bird Count are always available from the New York office; the price is 15 cents.

One of the most difficult counts to reject was one taken in Siskiyou County, Calif., by Thomas C. Horn and Paul E. Steel, embracing both the Lower Klamath and Tule Lake National Wildlife Refuges. The areas are nearly adjacent and were censused as a unit; the actual territory covered for the Count did not exceed a 15-mile diameter, but the two refuges together exceeded the Count limit, and at a late date it was impossible to break the report down into two separate Counts. The observers reported a total of 60 species and about 129,017 individuals. Particularly outstanding were their waterfowl figures.

Overlapping and duplication of areas in whole or in part are strictly to be avoided. In the future, all Count territories from metropolitan areas (such as New York and Philadelphia) should be cleared with the New York office before Count plans are completed; for the next Count a committee in such localities will clear all reports, so that rejection as well as loss of time and effort may be avoided. In all metropolitan areas, compilers are also requested in the future to submit a detailed section of road map clearly outlining their Count territory. All compilers are further requested to redefine their areas and habitat percentages.

Because many compilers have either misunderstood its use or failed to observe its advantages, attention is again called to the device of marking certain species to indicate boldface type. Such birds, whose occurrence or abundance is of very special interest, should be underscored with a wavy line. The following uniform procedure should be observed. Boldface type may be used to indicate (1) a species not previously recorded in a count that has been taken for 5 or more years; (2) an unusually high count if 10 per cent higher than the highest recorded in 10 years in the same area; (3) any count at least two-thirds as high as the highest reported for that species in the most recent summary of highest counts of individuals.

In order to defray the very considerable cost of publishing the Count, participants this year generously sent in $408.35 in contributions. Compared to its 1940 counterpart, the number of printed reports in the Fifty-fourth Count has increased 74 per cent, individual birds "counted" 360 per cent, participating observers 235 per cent, printed pages 151 per cent. In general neither the number of subscribers nor the subscription price to *Audubon Field Notes* has increased to match the steadily mounting printing costs of the Christmas Count. This financial problem is a painful one that the Board of Directors of the National Audubon Society may shortly have to face squarely and with resolution. Some fixed fee (such as 25 cents per participant) may be necessary in the near future.

1. **Halifax, Nova Scotia** (banding station in Marlborough Woods and Halifax city dump, on the shores of Bedford Basin).—Dec. 27; 8 a.m. to 4:30 p.m. Overcast; temp. 35° to 40°; wind NE gusty, 15-25 m.p.h.; ground bare and soft. Two observers in 1 party. Total hours, 8½; total miles [not given—Ed.]. Herring Gull, 666 (est.); Great Black-backed Gull, 7; Downy Woodpecker, 2; Blue Jay, 3; Am. Crow, 5; Black-capped Chickadee, 4; Am. Robin, 1; Common Starling, 71; House Sparrow, 23; Song Sparrow, 2. **Total,** 10 species; about 784 individuals. —Mr. and Mrs. W. J. Mills.

2. **West Middle Sable, Nova Scotia** (Matthews Lake and Hemeon Head to Sable River and 1 mi. N, also Little Port l'Hebert to Sable River; all within 7½ mi. of school in West Middle Sable; mixed woods, largely coniferous 38%, ocean shore 25%, sheltered brackish water 24%, sand beach 7%, scattered rural community 6%).—Dec. 28; 8:10 a.m. to 4:30 p.m. Eighty-nine per cent cloudy; temp. 12° to 33°; wind, none to 15 m.p.h. SW; ground bare, ice from previous night only. Two observers in 2 parties, 1 at feeding station. Total party-hours, 13½ (10 on foot, 2½ by bicycle, 1 by car); total party-miles, 59 (13 on foot, 30 by car, 16 by bicycle). Horned Grebe, 2; European Cormorant, 71; Canada Goose, 6512; Black Duck, 867; Greater Scaup, 15; Am. Golden-eye, 89; Buffle-head, 3; Old-squaw, 4; Common Eider, 59; White-winged Scoter, 4; Surf Scoter, 3; Am. Scoter, 1; Am. Merganser, 25; Red-breasted Merganser, 17; Sharp-shinned Hawk, 1; Ruffed Grouse, 4; **Red-backed Sandpiper,** 11; (characteristic winter coloration and down-curved bill perfectly seen through 20x spotting scope and 6x binoculars—H.F.L., H.F.T.); Great Black-backed Gull, 6; Herring Gull, 225; Black-legged Kittiwake, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Gray Jay, 6; Blue Jay, 2; Common Raven, 5; Am. Crow, 31; Black-capped Chickadee, 10; Brown-capped Chickadee, 19; Golden-crowned Kinglet, 2; Common Starling, 257; Myrtle Warbler, 6; House Sparrow, 20; **Eastern Meadowlark,** 5 (flock of this size believed to have not previously been recorded in this province in winter—H.F.L.); Song Sparrow, 1. **Total,** 34 species; about 8287 individuals.—Laura N. Lewis, Harrison F. Lewis, Harold F. Tufts.

3. **Hudson Heights, Hudson, and Como, Que.** (southward of south shore of Lake of Two Mountains, widening of Ottawa River, extending between Como station road on east and Harwood Road about 4 miles westward, including parts of residential areas of the villages of Como, Hudson and Hudson Heights, the Pine Lake Bird Sanctuary in Hudson, 300 acres, the Whitlock Bird Sanctuary in Hudson Heights, 1250 acres, part of which, 200 acres, is the Whitlock golf course, and, in addition, a farm area extending about 1 mile southward from Highway 17, Montreal to Ottawa, and about ½ mile in width, situated about ¼ mile east of junction of said highway with Como station road; also an area of about 1 square mile situated westward of Cote St. Charles Road, its center about 1¼ miles southward of Highway 17; sandy uncultivated grasslands with brush areas of birch and poplar and scattered evergreens 11%, farmlands with mixed deciduous and evergreen woodlots 21%, golf course with similar woodlots 15%, village roads and gardens 18%, deciduous woods 9%, evergreen woods 21%, second-growth scrub areas 5%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Clear until noon, temp. 2° to 8°, wind light W by S; then snowing, wind W, to 15 m.p.h., temp. to 6°; ground covered with snow, water frozen except for streams in a few sheltered places. Thirty-one observers in 9 parties. Total party-hours, 52 (42 on foot, 10 on skis); total party-miles, 56 (41 on foot, 15 on skis). Ruffed Grouse, 22; Pileated Woodpecker, 2; Hairy Woodpecker, 20; Downy Woodpecker, 9; Blue Jay, 59; Gray Jay, 1; Black-capped Chickadee, 231; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 4; Brown Creeper, 1; Golden-crowned Kinglet, 30; Common Starling, 28; House Sparrow, 58; Purple Grackle, 1; Common Redpoll, 68; Am. Goldfinch, 30; Red Crossbill, 7; **White-winged Crossbill,** 198 (150 est., 48); Am. Tree Sparrow, 9. **Total,** 19 species; about 812 individuals. (Seen in area during count period: Evening Grosbeak, 6; Snow Bunting, 500 est.)—Niel Baird, Pat Baird, Audrey Bryan, Vi Bryan, Mrs. A. Butler, Amy Clarke, Marnie Clarke, Ed Croll, Bob Cundill, Andrea Cundill, Gerald Golden, Peggy Golden (convenor), Dorothy Guerdon, Geo. Guerdon, Clarke Hope, Allan Irwin, Althea Macaulay, Doug. Macaulay, Jr., Jessie Macdonald, Robin MacDuff, Harry Marpole, John Mullan, Geof. Ommanney (compiler), Kate Ommanney, Drusilla (Mrs. Geo.) Riley, May Riley, Bob R. Sewell, Frank Smith, Vera Smith, Jo. Wright, Mack Yuile.

4. **Montreal, Que.** (Mount Royal, Westmount Mt., Dorval, Saraguay, Montreal North, Cote St. Luc, St. Helen's Island, Nun's Island, south shore St. Lawrence River from Mercier Bridge to Longueuil, and north shore from Dorval to Victoria Bridge).—Dec. 27; 8 a.m. to 4:30 p.m. Clear; temp. 7° to 13°; wind W to SW, light; 4-in. snow in open country; ponds frozen, but little ice on river. Thirty observers in 8 parties. Total party-hours, 53 (37 on foot, 15 by car, 1 by boat); total party-miles, 138 (42 on foot, 94 by car, 2 by boat). **Red-necked Grebe,** 1 (R.C., P.M., J.S.); Horned Grebe, 2; **Pied-billed Grebe,** 2, (R.C., P.M., J.S.); Canada Goose, 1; Mallard, 63; Black Duck, 1575 (partly est.); Am. Widgeon, 3; Pintail, 155; Greater Scaup, 2; Am. Golden-eye, 266 (partly est.); Am. Merganser, 90; Rough-legged Hawk, 3; Sparrow Hawk, 3; Ring-necked Pheasant, 15; **Am. Coot,** 1 (R.C., P.M., J.S.); Great Black-backed Gull, 30; Herring Gull, 489; Ring-billed Gull, 13; Screech Owl, 1; Snowy Owl, 4; Hairy Woodpecker, 13; Downy Woodpecker, 17; **Three-toed Woodpecker,** 2 (I.M., P.L., H.L.); Horned Lark, 2; **Common Raven,** 1 (seen at close range and compared to Am. Crow—C.M.); Am. Crow, 4; Black-capped Chickadee, 31; White-breasted Nuthatch, 7; Brown Creeper, 9; Winter Wren, 2; Am. Robin, 6; Golden-crowned Kinglet, 4; Cedar Waxwing, 1; Gray Shrike, 1; Common

Starling, 43 (not fully est.); House Sparrow, 120 (not fully est.); Purple Finch, 3; Common Redpoll, 5; Am. Goldfinch, 25; Slate-colored Junco, 3; Am. Tree Sparrow, 69; Song Sparrow, 12; Snow Bunting, 402 (225 est., 177). **Total,** 43 species; about 3501 individuals.—B. Borden, Miss S. Boyer, J. Brierly, R. Carswell, Mrs. H. Chalk, J. D. Cleghorn, P. du Boulay, Mrs. P. du Boulay, Miss G. Hibbard, A. Kelly, P. Landrey, A. R. Lepingwell, H. Longley, J. Lowther, C. McKinnes, I. McLaren (compiler), P. Mitchell, G. H. Montgomery, J. Montgomery, Miss I. Rhein-Knudsen, Mrs. P. Roberts, J. Robinson, D. Ryan, C. Sait, Mrs. E. Sala, M. Seymour, Miss M. Smith, Dr. J. Summerby, Miss W. Wilson, R. Yates.

5. **Quebec, Que.** (same area as in 1952; town suburbs 29%, fields 9%, coniferous forests 6%, deciduous woods 10%, mixed woodlands 28%, shores 18%).—Dec. 28; 7:30 a.m. to 4 p.m. Heavy snow till 10 a.m., overcast; temp. 14° to 26°; wind NE, 1-3 m.p.h.; 10-17-in. snow on ground; small rivers partly frozen, numerous moving icefields on St. Lawrence River. Nine observers in 5 parties. Total party-hours, 25 (22 on foot, 3 by car); total party-miles, 69 (29 on foot, 40 by car). Am. Golden-eye, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 3; Iceland Gull, 2; Great Black-backed Gull, 3; Herring Gull, 60; Downy Woodpecker, 3; Blue Jay, 9; Am. Crow, 10; Black-capped Chickadee, 20; Red-breasted Nuthatch, 3; Am. Robin, 2; Cedar Waxwing, 6; Gray Shrike, 2; Common Starling, 243; House Sparrow, 482; Evening Grosbeak, 16; Purple Finch, 17; Pine Grosbeak, 16; Common Redpoll, 28; Pine Siskin, 8; White-winged Crossbill, 40; Snow Bunting, 3. **Total,** 23 species; 981 individuals. (Seen in area Dec. 27: Hairy Woodpecker, 1; Dec. 24: Golden-crowned Kinglet, 1.)—R. Cayouette (compiler), R. Dumais, P. Fiset, P. Germain, P. Grenier, F. Hamel, R. Lepage, L.-A. Lord, G. Moisan (La Société Zoologique de Québec).

6. **Bancroft (Haliburton Co.), Ont.** (same area as last 3 years; deciduous woods 40%, spruce and tamarack swamps 20%, farmland and pasture 30%, town and suburbs 10%).—Dec. 26; 7:30 a.m. to 4 p.m. Snowing continuously; temp. 29° to 28°; no wind; 10-12 in. of snow in bush, 2-3 in. of new snow, lakes frozen, rivers partly frozen. One observer. Total hours, 8½ (6½ on foot, 2 by car); total miles, 47 (7 on foot, 40 by car). Ruffed Grouse, 10; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 15; Black-capped Chickadee, 43; Red-breasted Nuthatch, 3; Winter Wren, 1; Gray Shrike, 4; Common Starling, 34; House Sparrow, 52; Purple Finch, 4; Pine Siskin, 52; Am. Goldfinch, 12; White-winged Crossbill, 57; Am. Tree Sparrow, 11. **Total,** 15 species; 301 individuals. (Seen in area Dec. 27: Evening Grosbeak, 32; Snow Bunting, 6.)—Earl V. Stark (Toronto Ornithological Club).

7. **Barrie, Ont.** (7½-mile radius centering on town of Barrie including Shanty Bay, Midhurst Park, Sunnidale Road, Highway 90 to Essa Station, Little Lake, Kempenfeldt Bay, Minet's Point, Tollandal, Big Bay Point Road; farmland 50%, reforested area 10%, marsh 5%, shore 10%, town and suburbs 5%, woodlots 20%).—Jan. 3; 8 a.m. to 5 p.m. Snow-squalls, clearing by 9 a.m.; temp. 22° down to 15°; wind N, 15 m.p.h.; 4-18-in. snow; Kempenfeldt Bay open. Twenty-two observers in 6 parties. Total party-hours, 31 (11 on foot, 20 by car); total party-miles, 182 (22 on foot, 160 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Black Duck, 1; Greater Scaup, 12; Am. Golden-eye, 8; Old-squaw, 4; Am. Merganser, 4; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Herring Gull, 12; Horned Owl, 1; Snowy Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 16; Blue Jay, 40; Black-capped Chickadee, 206; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Winter Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 26; Gray Shrike, 8; Common Starling, 280; House Sparrow, 209; Eastern Meadowlark, 1; Evening Grosbeak, 1; Purple Finch, 8; Pine Grosbeak, 5; Common Redpoll, 35; Pine Siskin, 13; Am. Goldfinch, 108; Slate-colored Junco, 117; Am. Tree Sparrow, 125; Song Sparrow, 2; Snow Bunting, 50. **Total,** 39 species; about 1322 individuals. (Seen in area Jan. 2: Canvas-back, 1; Gray Jay, 1.)—Mr. and Mrs. William A. Bell, Dr. and Mrs. E. G. Bilkey, Mr. and Mrs. R. S. Carman, Alan Carmichael, Paul Crease, Hugh Currie, Mrs. Jean Gable, Ian Garner, Anastasia Hughes (compiler), Peter Kaynes, Mrs. S. E. Lewis, Harry Morren, Harold Richard, Mrs. J. Sheppard, Mr. and Mrs. R. F. Smith, Margaret Smith, Mr. and Mrs. J. L. Westman (Brereton Field Naturalists' Club).

8. **Blenheim (Kent Co.), Ont.** (same as last year).—Dec. 26; 8:30 a.m. to 5 p.m. Overcast, with sunny intervals; temp. 28° to 34°; wind negligible; Rondeau Bay partially frozen over, Erieau harbour open. Fifteen observers in 4 parties. Total party-hours, 27 (15 on foot, 12 by car); total party-miles, 125 (29 on foot, 96 by car). Horned Grebe, 3; Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 1; Black Duck, 2; Redhead, 8; Canvas-back, 302; Am. Golden-eye, 12; Buffle-head, 56; Ruddy Duck, 8; Hooded Merganser, 2; Am. Merganser, 6; Red-breasted Merganser, 25; Red-tailed Hawk, 7; Rough-legged Hawk, 23; Bald Eagle, 3; Marsh Hawk, 30; Sparrow Hawk, 2; Ring-necked Pheasant, 6; Am. Coot, 40; Great Black-backed Gull, 2; Herring Gull, 379; Ring-billed Gull, 6; Bonaparte's Gull, 2500±; Mourning Dove, 3; Screech Owl, 1; Short-eared Owl, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 21; Blue Jay, 12; Am. Crow, 206; Black-capped Chickadee, 15; White-breasted Nuthatch, 3; Brown Creeper, 16; **Carolina Wren,** 1 (S.S.S.); Am. Robin, 1; Golden-crowned Kinglet, 42; Ruby-crowned Kinglet, 1 (C.H.L.); Gray Shrike, 2; Common Starling, 867; House Sparrow, 1210±; Red-winged Blackbird, 150; Rusty Blackbird, 11; Purple Grackle, 2; Brown-headed Cowbird, 10; Cardinal, 36; Pine Siskin, 3; Am. Goldfinch, 31; Eastern Towhee, 4; Slate-colored Junco, 351±; Am. Tree

Sparrow, 314±; Field Sparrow, 3; **White-crowned Sparrow,** 3 (H.B.W.); White-throated Sparrow, 23; Swamp Sparrow, 1; Song Sparrow, 8; Snow Bunting, 25. **Total,** 58 species; about 6807 individuals.—C. M. Anderson, J. A. Begg, R. Blackburn, L. J. Bohn, G. Chandler, G. R. Driscoll, H. English, H. Evans, W. M. Gray, W. F. Hampton, C. H. Lane, F. Moore, A. M. Ross, S. S. Stevens, H. B. Wressell (compiler).

9. Hamilton, Ont. (same as last year).—Dec. 26; 8 a.m. to 5:30 p.m. Cloudy with a few sunny intervals; intermittent light snow; temp. 30° to 35°; wind SW, 25 m.p.h.; ground mostly bare, but 6-in. snow in upland woods; marshes frozen, harbor and lake open. Fifty-four observers in 26 parties. Total party-hours, 134 (117 on foot, 17 by car); total party-miles, 334 (158 on foot, 176 by car). Common Loon, 2; **Horned Grebe,** 8; **Whistling Swan,** 3; **Mallard,** 233; **Black Duck,** 385; Redhead, 3; Ring-necked Duck, 1; Canvas-back, 6; Greater Scaup, 762; **Lesser Scaup,** 320; **Am. Golden-eye,** 715; **Buffle-head,** 68; Old-squaw, 37; King Eider, 1 (D.B., L.G., D.P.); White-winged Scoter, 12; **Ruddy Duck,** 7; **Hooded Merganser,** 33; **Am. Merganser,** 6300 (est); Red-breasted Merganser, 51; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 19; Rough-legged Hawk, 2; Bald Eagle, 3; Marsh Hawk, 1; **Pigeon Hawk,** 1 (falcon shape, size, all blue upperparts seen from above—H.K.); Sparrow Hawk, 14; Ruffed Grouse, 15; Ring-necked Pheasant, 26; Glaucous Gull, 2; Iceland Gull, 1; Great Black-backed Gull, 77; Herring Gull, 8500 (est.); **Ring-billed Gull,** 950; Screech Owl, 2; Horned Owl, 3; Snowy Owl, 4; Long-eared Owl, 4; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 2; Hairy Woodpecker, 26; Downy Woodpecker, 66; **Eastern Phoebe,** 1 (J.D., G.N., D.P.); Horned Lark, 2; Blue Jay, 60; Am. Crow, 38; Black-capped Chickadee, 243; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 4; Brown Creeper, 18; Winter Wren, 2; Carolina Wren, 2; Am. Robin, 6; **Eastern Bluebird,** 1 (J.D., J.W.); Golden-crowned Kinglet, 25; Cedar Waxwing, 47; Gray Shrike, 5; Common Starling, 3250; House Sparrow, 1770; **Rusty Blackbird,** 2; **Brown-headed Cowbird,** 2; Cardinal, 83; Evening Grosbeak, 10; Purple Finch, 66; Am Goldfinch, 113; Slate-colored Junco, 389; Am. Tree Sparrow, 501; Field Sparrow, 8 (W.H., G. N.); Swamp Sparrow, 8; Song Sparrow, 27. **Total,** 72 species; about 25,382 individuals. (Seen in area Dec. 20: Great Blue Heron, 1; Dec. 31: Arctic Woodpecker, 1; Jan. 1: Pintail, 2; Surf Scoter, 1; Killdeer, 2; Water Pipit, 2; Lapland Longspur, 20; Snow Bunting, 60; Jan. 2: Bonaparte's Gull, 1; House Wren, 1 (J.D., G.N.); Myrtle Warbler, 1; Pine Siskin, 1; Jan. 3: Red-throated Loon, 1; Pied-billed Grebe, 1; Jan. 9: Gannet, 1.)—Jack Aikman, Jas. L. Baillie, Eric W. Bastin, Paul Boleantu, Stella Brown, Mr. and Mrs. R. D. F. Bourne, Don Bucknell, William I. Campbell, Kenneth J. Cox, Harold Cunliffe, James A. N. Dowall, Robert O. Elstone, Bob Finlayson, Leopold Fucikovsky, Leslie Gray, Peter Hammel, Ian Halladay, John Hencher, Peter F. Henderson, Mr. and Mrs. W. R. Holley, Charles Hunter, Angus B. Jackson, Herbert E. Kettle, Patricia Kirkwood, Barbara Laking, Leslie Laking, Margaret Lamb, Julius Mannheimer, C. Douglas McCallum, George O. McMillan, Mrs. Lester L. Merrick, John J. Miller, John W. Moule, Albert B. Nind, George W. North (compiler), Mrs. Jessie Orlick, Mr. and Mrs. C. L. Powell, David K. Powell, Morley C. Sabine, Robert K. Sargeant, Lister S. Sinclair, Robert W. Smith, Robert W. Stamp, Laura Stewart, Misses Anne, Jane, and Mabel Watson, Mr. and Mrs. M. R. Watters, Mervyn White, J. Harvey Williams (Hamilton Nature Club).

10. Kingston, Ont. (7½-mile radius centering on MacDonald Park, Kingston, and including Cataraqui River and Creek, shores and waters of Lake Ontario and St. Lawrence River, Wolfe and adjacent islands; farmland 30%, urban centers 4%, marshes 12%, water 30%, mixed woodlands 24%).—Dec. 27; 8 a.m. to 5 p.m. Mostly clear; temp. 8° to 15°; wind NE to E, 10 m.p.h.; average depth of snow 1 in., small bays, rivers and marshes frozen, larger bodies of water open. Seventeen observers in 4 parties. Total party-hours, 32 (14 on foot, 16 by car, 2 by boat); total party-miles, 230 (74 on foot, 152 by car, 4 by boat). Horned Grebe, 7; Pied-billed Grebe, 1; Mallard, 13; Black Duck, 237; Pintail, 3; Redhead, 11; Greater Scaup, 270; Lesser Scaup, 1; Am. Golden-eye, 709; White-winged Scoter, 1; Am. Merganser, 49; Cooper's Hawk, 1; Rough-legged Hawk, 6; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 10; Am. Coot, 8; Glaucous Gull, 12; Great Black-backed Gull, 147; Herring Gull, 898; Ring-billed Gull, 509; Horned Owl, 1; Snowy Owl, 2; Barred Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 8; Blue Jay, 106; Am. Crow, 1; Black-capped Chickadee, 215; White-breasted Nuthatch, 22; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 849; Myrtle Warbler, 1; House Sparrow, 950; Red-winged Blackbird, 1; Purple Grackle, 1; Evening Grosbeak, 2; Purple Finch, 115; Am. Goldfinch, 116; White-winged Crossbill, 5; Slate-colored Junco, 20; Am. Tree Sparrow, 79; Song Sparrow, 6; Snow Bunting, 303. **Total,** 49 species; about 5723 individuals. (Seen in area week prior to count: Bonaparte's Gull, Winter Wren, Pine Siskin.) —Mrs. A. G. Argue, A. E. S. Bell, F. B. Bishop, Mrs. T. Boardman, J. Cartwright, Mrs. H. L. Cartwright, J. Day, Mr. and Mrs. A. E. Hyde, W. G. Lamb, S. Peters, Mrs. C. D. Quilliam, J. Shortt, R. B. Stewart (compiler), Dr. G. M. Stirrett, A. Strong, Dr. C. J. Vincent (Kingston Nature Club).

11. Kirkland Lake, Ont. (7½-mile radius centering on a point on #112 highway 1 mile north of Dane; fields 20%, towns 5%, coniferous woods 30%, deciduous woods 35%, slimes 5%, cattail marsh 5%, 5 feeding stations).—Dec. 26; 8 a.m. to 4 p.m. Clear with some clouds; temp. 0° to 10°; wind light NNE, 5 m.p.h.; 7-in. snow on ground, lakes frozen, streams mostly frozen. Twenty-two observers in 9 parties. Total party-hours, 49 (12 on foot, 12 by car, 25 at feeding stations); total party-miles, 171 (30 by foot,

141 by car). Ruffed Grouse, 1; Hairy Woodpecker, 10; Downy Woodpecker, 1; Gray Jay, 11; Blue Jay, 9; Common Raven, 1; Black-capped Chickadee, 115; Red-breasted Nuthatch, 8; Gray Shrike, 1; Common Starling, 29; House Sparrow, 100; **Pine Grosbeak,** 142; Common Redpoll, 23; Snow Bunting, 5. **Total,** 14 species; 456 individuals. (Seen in area Dec. 11: Snowy Owl, 1; Dec. 28: Am. Crow, 1.)—Mrs. E. Axcell, Mrs. K. W. Bennett, Allan Corbould, C. A. Elsey, K. G. Gray, J. H. Hodgins, Barbara Hodgins, Eileen MacRae, Mr. and Mrs. R. J. McClanahan, Robert McClanahan, Ian M. Robertson, Jim Savage, J. G. Stephenson (compiler), Mrs. J. G. Stephenson, Jack and Jim Stephenson, Charles W. Tully, Mrs. Robert Walker, Mr. and Mrs. Frank Washington, Allan Wilson (Kirkland Lake Nature Club).

12. **London, Ont.** (same area as last year).—Dec. 26; 8 a.m. to 4 p.m. Cloudy, snow then clearing; temp. 30° to 36°; wind W to SW, 15 gusty to 50 m.p.h.; ground snow covered, river frozen, except rapids and sheltered spots. Forty observers in 11 parties. Total party-hours, 72 (60 on foot, 12 by car); total party-miles, 125 (75 on foot, 50 by car). Mallard, 2; Black Duck, 80; Am. Golden-eye, 79; Old-squaw, 1; Am. Merganser, 47; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 7; Ring-necked Pheasant, 2; Virginia Rail, 2 [no details—Ed.]; Sora, 1 [no details—Ed.]; Herring Gull, 62; Mourning Dove, 23; Screech Owl, 1; Horned Owl, 2; Snowy Owl, 1; Belted Kingfisher, 10; Hairy Woodpecker, 12; Downy Woodpecker, 56; Blue Jay, 35; Black-capped Chickadee, 124; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 6; Brown Creeper, 11; Winter Wren, 5; Carolina Wren, 1 [no details—Ed.]; Am. Robin, 4; Golden-crowned Kinglet, 54; Gray Shrike, 7; Common Starling, 148; House Sparrow, 360; Cardinal, 61; Purple Finch, 8; Common Redpoll, 40; Am. Goldfinch, 63; Eastern Towhee, 1; Slate-colored Junco, 246; Am. Tree Sparrow, 260; White-throated Sparrow, 2; Swamp Sparrow, 13; Song Sparrow, 51; Snow Bunting, 166. **Total,** 45 species; 2091 individuals. (Seen Dec. 23: Yellow-shafted Flicker; Dec. 27: Eastern Meadowlark, Am. Crow, Pine Siskin, Rough-legged Hawk, Long-eared Owl.)—Mr. and Mrs. J. W. Leach, Dr. and Mrs. C. A. Cline, Mr. and Mrs. Wm. Caspell, Mr. and Mrs. Wm. Jarmain, E. Davis, Carol Bycroft, A. Clenndining, Dr. G. W. Aithen, H. B. MacMahon, James and Michael Fallona, Paul MacKenzie, Ted Palmer, Doug. Dow, J. C. Laughton, Doug. Shorten, Bob Hollier, Gerald Turner, Howard Keast, John Wismer, Mathew Schoenfeld, Gretchen Lawton, Mary Jane Heighway, Dan. McKerlie, John Parker, Wm. Girling, J. F. Calvert, Wm. and Chas. Maddeford, Harold Osborne, Tom Wolfe, Dr. and Mrs. Gordon Cummings, John Cummings, J. C. Higgins, Mrs. Johnston.

13. **Ottawa, Ont.** (roughly a radius of 7½ miles: Central Experimental Farm, Bronson's Swamp; Rockcliffe, Mine Road to Sink Lake to Aylmer, Woodroffe, Chelsea, Brewery Creek, Gatineau Point, Ironside, Britannia and south of No. 17 Highway to Pinecrest, Champlain Bridge, Aylmer Road, Bowesville Road, Prescott Highway, Rideau Dump to Uplands Airport, City View; Manor Park to Airport).—Dec. 27; 9 a.m. to 4 p.m. Clear; wind SW, 10 m.p.h.; temp. 2° to 10°; 2-5 in. snow. Twenty-six observers in 12 parties. Total party-hours, 51½; total party-miles, 298 (70 on foot, 228 by car). Black Duck, 6; Ring-necked Duck, 7; Buffle-head, 1; Am. Golden-eye, 404; Am. Merganser, 65; Sparrow Hawk, 2; Ruffed Grouse, 9; European Partridge, 33; Ring-necked Pheasant, 15; Herring Gull, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 19; Horned Lark, 1; Blue Jay, 15; Am. Crow, 15; Black-capped Chickadee, 140; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 1; Brown Creeper, 6; Golden-crowned Kinglet, 14; Gray Shrike, 2; Common Starling, 311; House Sparrow, 2180; Red-winged Blackbird, 1; Evening Grosbeak, 18; Purple Finch, 5; Common Redpoll, 63; Pine Siskin, 594; Am. Goldfinch, 80; Am. Tree Sparrow, 100; Song Sparrow, 1; Snow Bunting, 381. **Total,** 33 species; 5519 individuals. (Seen in area Dec. 25: Great Horned Owl, 1.)—B. A. Hauvel, Mr. and Mrs. H. Lloyd, R. Frith, Dr. and Mrs. Savile, T. Morland, Mr. and Mrs. C. Frankton, M. Spencer, A. Bourguignon, V. Ross, Mr. and Mrs. A. Riddell, K. Bowles, H. Brown, Dr. and Mrs. J. W. Groves, R. D. Harris, M. Campbell, J. Smith, E. Mills, B. Millman, D. J. Evans, V. Humphreys, S. Hoare (Ottawa Field Naturalists' Club).

14. **Peterborough, Ont.** (7½-mile radius of Peterborough, including Jackson Park-Lily Lake, Little Lake-Otonabee River, Chemong Park, Burnhams Woods-Rifle Range, Stewart Hall-Otonabee, Warsaw Road; open farmland 45%, marsh 9%, water 4%, mixed woods 24%, deciduous woods 8%, coniferous woods 10%).—Dec. 26; 8:45 a.m. to 12:45 p.m. Cloudy with snow flurries; temp. 30° to 32°; wind W, 10-15 m.p.h.; ground covered with 2-3 in. wet snow, lakes frozen, river open. Twenty observers in 5 parties. Total party-hours, 16½ (13½ on foot, 3 by car); total party-miles, 70 (18 on foot, 52 by car). Mallard, 2; Sparrow Hawk, 1; Ruffed Grouse, 10; Killdeer, 1; Herring Gull, 3; Ring-billed Gull, 2; Hairy Woodpecker, 4; Downy Woodpecker, 1; Blue Jay, 6; Am. Crow, 1; Black-capped Chickadee, 141; White-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 4; Gray Shrike, 2; Common Starling, 275; House Sparrow, 300; Common Redpoll, 175; Am. Goldfinch, 80; Am. Tree Sparrow, 14; Song Sparrow, 1. **Total,** 21 species; 1025 individuals.—L. J. and Derek McKeever, F. R. Pammett (compiler), Mr. and Mrs. K. V. Strasser, Mrs. and Reg. Chandler, James Beggs, F. and O. Heilingbrunner, E. and Jane Whiteley, M. Powell, King Baker, G. R. Langley, J. Johnston, Mr. and Mrs. D. Sercum, M. Ferguson, S. J. Pammett (Peterborough Nature Club).

15. **Pickering Twp. (Ontario Co.), Ont.** (same as last year).—Dec. 26; 7:50 a.m. to 5 p.m. Overcast to partly cloudy; light snow in a.m., thawing

in p.m.; wind WSW, 15-20 m.p.h.; ground mostly bare; ponds frozen, creek open only at rapids. Two observers in 2 parties. Total party-hours, 11 (on foot); total party miles, 5 (on foot). Ruffed Grouse, 2; Downy Woodpecker, 3; Blue Jay, 7; Black-capped Chickadee, 14; White-breasted Nuthatch, 2; Am. Robin, 1; Golden-crowned Kinglet, 3; Gray Shrike, 1; House Sparrow, 34; Cardinal, 4; Purple Finch, 18; Pine Siskin, 12; Am. Goldfinch, 62; White-winged Crossbill, 1; Slate-colored Junco, 4; Am. Tree Sparrow, 1. **Total,** 16 species; 169 individuals. (Seen in area Dec. 27: Evening Grosbeak, 6.)—D. H. Speirs, J. M. Speirs (compiler).

16. Point Pelee, Ont. (same as last year).—Jan. 2; 8 a.m. to 4 p.m. Clear; wind W, 10-12 m.p.h.; temp. 33° to 50°; 3-in. snow on ground; marshes frozen, extensive ice west of point, drifting slush ice off east shore. Four observers in 1 party. Total hours, 8 (5 on foot); total miles, 33 (30 by car, 3 on foot). Mallard, 9; Am. Golden-eye, 29; Am. Merganser, 8; Red-breasted Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Rough-legged Hawk, 7; Bald Eagle, 1; Marsh Hawk, 3; Ring-necked Pheasant, 13; Herring Gull, 15; Ring-billed Gull, 64; Bonaparte's Gull, 27; Horned Owl, 1; Downy Woodpecker, 9; Horned Lark, 1; Am. Crow, 215 (est.); Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 1; Golden-crowned Kinglet, 11; Common Starling, 59; Myrtle Warbler, 4; House Sparrow, 75; Cardinal, 8; Am. Goldfinch, 3; Slate-colored Junco, 6; Tree Sparrow, 18; **Field Sparrow,** 4; White-throated Sparrow, 6; Swamp Sparrow, 23; Song Sparrow, 4. **Total,** 33 species; 640 individuals.—Roger Erickson, David French, George Kelly, Ralph A. O'Reilly, Jr., (compiler).

17. Port Arthur—Fort William, Ont. (same area as 1952; 7½-mile radius touching Bare Point, Chippewa Park, Industrial Farm and Intola; partly frozen lake 8%, peat and muck bogs 12%, residential and industrial areas 12%, farmlands 25%, woodlands 43%).—Dec. 26; 9 a.m. to 3 p.m. Dull, clearing in p.m.; temp. 8° to 11°; wind NNW to W, 8-4 m.p.h.; ground covered with 11-in. snow, some open water near some elevator docks on Lake Superior, rivers frozen. Twenty-six observers in 12 parties. Total party-hours, 25 (19 on foot, 6 by car); total party-miles, 134 (32 on foot, 102 by car). Black Duck, 2; Am. Golden-eye, 47; Rough-legged Hawk, 1; Herring Gull, 215; Snowy Owl, 1; **Great Gray Owl,** 1; Hairy Woodpecker, 5; Downy Woodpecker, 6; Gray Jay, 4; Blue Jay, 9; **Common Raven,** 36; Am. Crow, 6; Black-capped Chickadee, 80; Red-breasted Nuthatch, 2; Am. Robin, 1; Gray Shrike, 1; Common Starling, 216; House Sparrow, 2137; Evening Grosbeak, 7; Pine Grosbeak, 65; Common Redpoll, 20. **Total,** 21 species; 2862 individuals. (Seen in area Dec. 25: Mallard, 2. Drastic drop in numbers of Pine Grosbeaks.)—Mr. and Mrs. P. Addison and sons Bill, Peter, and Edward; Dr. and Mrs. A. E. Allin, M. J. Armstrong, Mr. and Mrs. R. B. Beckett, Mr. and Mrs. R. M. Beckett, David Bianco, H. K. Campbell, Keith Denis (compiler), Norman Denis, Mr. and Mrs. K. Eoll, C. E. Garton, Mr. and Mrs. A. Hanton, Mrs. W. M. Knowles, Mr. and Mrs. C. Rydholm, J. Thompson, Dr. E. N. Wright (Thunder Bay Field Naturalists' Club).

18. Rutherglen, Ont. (areas in townships of Bonfield and Calvin, town of Bonfield, areas around Pimisi Bay, Mattawa River, Amable du Fond River, to 10 miles west of Mattawa; open farmland 30%, coniferous woodlots and black spruce bog 5%, second-growth mixed forest 50%, lakes and rivers 10%, settlements 5%).—Dec. 30; 7:30 a.m. to 4:30 p.m. Clear; temp. 0° to −6°; wind NW, N to NW, 5-10 m.p.h.; ground covered with 8-10-in. soft snow; all fresh water except rapids and eddies frozen. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 43 (8 on foot, 35 by car). Am. Golden-eye, 2; Hooded Merganser, 1; Ruffed Grouse, 3; Hairy Woodpecker, 9; Downy Woodpecker, 1; Blue Jay, 20; Common Raven, 1; Black-capped Chickadee, 53; Red-breasted Nuthatch, 5; Common Starling, 22; Red Crossbill, 2; Snow Bunting, 27. **Total,** 12 species; approximately 146 individuals. (Seen in area Dec. 28: Evening Grosbeak, 19; Pine Grosbeak, 3; Common Redpoll, 2; Dec. 31: Brown Creeper, 1.)—Louise de Kiriline Lawrence.

19. St. Thomas, Ont. (7½-mile radius centering on a point 2 miles southeast of St. Thomas and including lake shore to Port Burwell; pasture 10%, town suburbs 15%, deciduous farm woodlots 25%, lake shore 25%, creek valley 25%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Overcast, snow flurries in a.m.; temp. 28° to 32°; wind SW to NW, 50-25 m.p.h.; ground generally bare; all fresh water frozen, except Lake Erie and fast running streams. Thirty-eight observers in 11 parties. Total party-hours, 67 (54 on foot, 13 by car); total party-miles, 245 (61 on foot, 184 by car). Pied-billed Grebe, 1; Canada Goose, 415; Mallard, 9; Black Duck, 320; Canvas-back, 1; Greater Scaup, 1; Buffle-head, 3; Old-squaw, 1; Am. Merganser, 26; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 34; Rough-legged Hawk, 1; Bald Eagle, 9; Marsh Hawk, 10; Sparrow Hawk, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 3; Great Black-backed Gull, 3; Herring Gull, 614; Ring-billed Gull, 4; Bonaparte's Gull, 62; Mourning Dove, 14; Screech Owl, 2; Horned Owl, 1; Long-eared Owl, 9; Belted Kingfisher, 1; Yellow-shafted Flicker, 9; Hairy Woodpecker, 12; Downy Woodpecker, 46; Horned Lark, 7; Blue Jay, 47; Am. Crow, 2; Black-capped Chickadee, 174; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 9; Brown Creeper, 3; Winter Wren, 1; **Carolina Wren,** 2 (M. Alton); Am. Robin, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 107; Gray Shrike, 4; Common Starling, 1728; House Sparrow, 1014; Eastern Meadowlark, 14; Rusty Blackbird, 1; Purple Grackle, 1; Brown-headed Cowbird, 6; Cardinal, 65; Purple Finch, 70; Am. Goldfinch, 120; **Eastern Towhee,** 17 (food and good cover probably account

for unusual concentration; 1 seen at a feeding station, 4 in a hardwood-coniferous woodlot, 12 in cut-over ravine with plenty of brush piles and some standing beech trees); **Vesper Sparrow,** 1 (R. F.); Slate-colored Junco, 300; Am. Tree Sparrow, 286; Field Sparrow, 27; Swamp Sparrow, 4; Song Sparrow, 8; Snow Bunting, 2. **Total,** 60 species; 5688 individuals. (Seen in area Dec. 19: Wilson's Snipe, 1; Dec. 20: Lapland Longspur, 25; Dec. 21: Red Crossbill, 20; Dec. 27: Catbird, 1; Pileated Woodpecker, 1; Dec. 31: Cedar Waxwing, 3; Snowy Owl, 1; Jan. 1: Killdeer, 1; Wood Duck, 1.)—W. Allan, M. Alton, Mrs. M. Arnold, G. Arnold, L. Auckland, Anne Balkwell, B. Barnard, Mr. and Mrs. F. Bell, F. Bodsworth, G. Carnegie, A. Curtis, E. Dunn, J. Dunn, M. Field (compiler), R. Foster, A. Goodwin, R. Henry, R. Hillesheim, Mr. and Mrs. H. Jewell, Mrs. J. Lasnier, J. Lemon, F. Lewis, Mr. and Mrs. J. Marr, R. Marr, C. McCormick, J. Ronald, R. Smith, Mr. and Mrs. V. Smith, D. Steele, T. Stem, B. Tales, D. Till, R. Williams, W. Wyett.

20. Sarnia, Ont. (township of Sarnia in Lambton County; 7½-mile radius centering on River and Lake Shore Road and including Plympton and Moore town lines; pasture 10%, plowland 20%, lakeshore 15%, River St. Clair 10%, coniferous growth 10%, marsh 15%, orchards and farm lots 20%).— Dec. 26; 8 a.m. to 5 p.m. Overcast in a.m., clear in p.m.; temp. 31° to 36°; wind W, 15 m.p.h.; 1-in. snow. Nine observers in 2 parties. Total party-hours, 17 (10 on foot, 7 by car); total party-miles, 47 (13 on foot, 34 by car). Horned Grebe, 3; Pied-billed Grebe, 1; Mallard, 18; Black Duck, 65; Canvas-back, 350; Lesser Scaup, 1 (J.M. and C.C.); Am. Golden-eye, 50; Old-squaw, 3; White-winged Scoter, 1; Hooded Merganser, 2; Am. Merganser, 460; Red-breasted Merganser, 20; Cooper's Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 7; Ring-necked Pheasant, 2; Herring Gull, 120; Ring-billed Gull, 1; Mourning Dove, 60; Belted Kingfisher, 2; Hairy Woodpecker, 2; Downy Woodpecker, 5; Arctic Woodpecker, 1; Horned Lark, 175; Blue Jay, 26; Am. Crow, 33; Black-capped Chickadee, 1; Tufted Titmouse, 2; White-breasted Nuthatch, 6; Am. Robin, 1; Golden-crowned Kinglet, 5; Gray Shrike, 2; Common Starling, 350; House Sparrow, 500 (est.); Red-winged Blackbird, 1; Brown-headed Cowbird, 5; Cardinal, 5; Am. Goldfinch, 7; Slate-colored Junco, 22; Am. Tree Sparrow, 37; Lapland Longspur, 20. **Total,** 41 species; about 2401 individuals. (Seen on Sarnia Bay, Jan. 3: Whistling Swan, 1; Jan. 4: Am. Coot, 1.)—Trevor Storey, J., M. and C. Carscallen, Dr. Arthur Storey, Dave John Braemer, John Hext, Don MacKenzie, Angus Buchanan (compiler).

21. Toronto, Ont. (7½-mile radius centering on Lytton Blvd. and Avenue Rd., and including Toronto Is., lakefront from Mimico Creek to Fallingbrook Rd., Humber River north to ¼ mile south of Thistletown, Don River north to Thornhill; lake surface 10%, city 25%, city suburbs 30%, farmland 25%, coniferous-deciduous woodlots 8%, marsh 2%).—Dec. 27; 7:30 a.m. to 5 p.m. Cloudy, bright; temp. 15° to 37°; wind SE, 5 m.p.h.; rivers and ponds frozen; ground mostly bare, snow only in sheltered places. Sixty observers in 16 parties. Total party-hours, 85½ (75¼ on foot, 10¼ by car), total party-miles, 138½ (86 on foot, 52½ by car). Horned Grebe, 1; Great Blue Heron, 5; Mallard, 755; Black Duck, 1589; Pintail, 8; Greater Scaup, 2598; Lesser Scaup, 6; Am. Golden-eye, 224; Bufflehead, 69; Old-squaw, 230; Ruddy Duck, 1; Am. Merganser, 480; Goshawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 11; Red-shouldered Hawk, 3; Rough-legged Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 24; Ring-necked Pheasant, 74; Killdeer, 1; Wilson's Snipe, 1; Glaucous Gull, 1; Iceland Gull, 1; Great Black-backed Gull, 9; Herring Gull, 1616; Ring-billed Gull, 135; Screech Owl, 3; Horned Owl, 8; **Snowy Owl,** 6 (11 more seen outside count area); Barred Owl, 1; Long-eared Owl, 8; Short-eared Owl, 1; Saw-whet Owl, 3; Belted Kingfisher, 10; Yellow-shafted Flicker, 6; Pileated Woodpecker, 4; Hairy Woodpecker, 46; Downy Woodpecker, 93; Blue Jay, 35; Am. Crow, 66; Black-capped Chickadee, 176; White-breasted Nuthatch, 49; Red-breasted Nuthatch, 8; Brown Creeper, 12; Winter Wren, 8; **Carolina Wren,** 1 (F.S., G.L., D.B., J.B., H.H.S., A.B., H.R., C.N.I.); Am. Robin, 23; Golden-crowned Kinglet, 39; Water Pipit, 1; **Gray Shrike,** 12; Common Starling, 2230; House Sparrow, 619; Red-winged Blackbird, 4; **Rusty Blackbird,** 3 (D.P., L.M., T.M.S., A.R., J.L.); Cardinal, 53; Purple Finch, 154; Common Redpoll, 3; Pine Siskin, 5; Am. Goldfinch, 333; Red Crossbill, 2; Slate-colored Junco, 364; **Oregon Junco,** 1 (R.S., A.L., R.A., F.M., E.T.); Am. Tree Sparrow, 232; **Fox Sparrow,** 1 (D.B., O.D.B., R.P., D.R.); Swamp Sparrow, 1; Song Sparrow, 64. **Total,** 67 species; about 12,539 individuals.—R. Anderson, H. Bare, H. Barnett, R. Bateman, D. Beacham, J. Beacham, O. D. Boggs, A. Bunker, D. Burton, L. Butcher, G. Clark, W. Clarke, A. Dawe, O. E. Devitt, F. H. Emery, B. Geale, D. Geale, C. Goodwin, A. Gordon, J. Gordon, W. Gunn, C. N. Ireson, R. James, A. Jeffreys, G. Lambert, A. Lamsa, C. Leavens, B. LeVay, F. LeVay, J. LeVay, N. LeVay, J. Livingston, T. McIlwraith, D. Miller, W. Milne, C. Molony, F. Mueller, R. Pannell, A. Reid, H. Richard, D. Ripley, J. Satterly, B. Scovell, D. Scovell, R. Scovell, R. Sennett, J. Sherrin, T. Shortt, F. Smith, W. Smith, H. Southam, D. Sumner, E. Talvilla, E. Thorn, M. Ussher, R. Ussher, W. Wasserfall, J. D. West, H. Whyte, M. Wood (Brodie Club members and friends, J. L. Baillie, compiler).

22. West Elgin, Ont. (7½-mile radius centering 1½ miles north of West Lorne; conifer groves 2%, deciduous woods 25%, lake front 6%, river hillsides and creek gulleys 40%, agricultural land 10%, pasture 15%, feeding stations 2%).—Dec. 26; 7.30 a.m. to 5 p.m. Cloudy, gradually clearing; temp. 30° to 38°; wind W, 18-20 m.p.h.; some drifted snow in protected places; river frozen except rapids, lake clear of ice. Seventeen observers in 9 parties. Total party-hours, 46½ (41 on foot, 5½ by car); total party-miles, 157 (60 on foot, 97 by car).

Black Duck, 3; Am. Golden-eye, 55; Am. Merganser, 5; Cooper's Hawk, 2; Red-tailed Hawk, 28; Red-shouldered Hawk, 5; Rough-legged Hawk, 6; Bald Eagle, 5; Marsh Hawk, 14; Sparrow Hawk, 4; unidentified hawks, 5; Ruffed Grouse, 10; Bob-white, 41; Ring-necked Pheasant, 11; Herring Gull, 127; Ring-billed Gull, 5; Bonaparte's Gull, 2; unidentified gulls, 85±10; Mourning Dove, 42; Screech Owl, 2; Horned Owl, 5; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 48; Horned Lark, 13; Blue Jay, 76; Am. Crow, 26; Black-capped Chickadee, 66; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 2; Brown Creeper, 12; Winter Wren, 2; Am. Robin, 5; Golden-crowned Kinglet, 35; Gray Shrike, 1; Common Starling, 427 (275±25, 152); House Sparrow, 1103 (700±50, 403); Cardinal, 105; Purple Finch, 20; Pine Siskin, 25; Am. Goldfinch, 221 (200±25, 21); Eastern Towhee, 12; Slate-colored Junco, 325 (275±50, 50); Am. Tree Sparrow, 377 (70±10, 307); Fox Sparrow, 1 (L.F.); Song Sparrow, 22; Snow Bunting, 30. **Total,** 47 species; approximately 3467 individuals. (Seen recently: Saw-whet Owl, Snowy Owl, Short-eared Owl, Eastern Meadowlark.) —W. Fawcett, Leroy Fulmer, Robert Hopper, Donald Johnston, E. R. Lancaster, H. L. Lancaster (compiler), James Lemon, Robert E. Lemon, V. Earl Lemon, Gary Martelle, Donald Mylrea, Louise Mylrea, David Murray, Donald Murray, Douglas Murray, Dr. A. C. Steele, Graham Vogan (West Elgin Nature Club).

23. Westport, Ont. (7½-mile radius centering on the village municipal office, Westport; farmland 15%, lakes 20%, marshes 5%, deciduous woodland 40%, mixed woodland 18%, red cedar groves 2%). —Jan. 3; 9 a.m. to 5 p.m. Overcast; light snow falling; temp. 15° to 20°; wind NE, 15 m.p.h., gusting to 25 m.p.h.; ground covered with 5-in. snow; marshes, lakes, and some rivers frozen. Thirteen observers in 4 parties. Total party-hours, 28 (13 on foot, 15 by car); total party-miles, 160 (23 on foot, 137 by car). Common Loon, 1; Greater Scaup, 1; Am. Merganser, 3; Ruffed Grouse, 18; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 8; Gray Jay, 1; Blue Jay, 10; Black-capped Chickadee, 255; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Gray Shrike, 5; Common Starling, 125; House Sparrow, 59; Purple Finch, 18; Pine Grosbeak, 1; Common Redpoll, 16; Am. Goldfinch, 99; Slate-colored Junco, 30; Am. Tree Sparrow, 245; Swamp Sparrow, 1. **Total,** 24 species; 927 individuals.—H. B. Arnold, F. Arnold, P. Arnold, A. Bell, J. Cartwright, D. Crawford, H. MacDougal, D. MacDougal, D. MacDougal, P. McManus, R. Stewart, G. Stirrett, A. M. Strong (compiler).

24. Yorkton, Sask. (7½-mile radius centering on Yorkton; same area as previous years).—Dec. 26; 8 a.m. to 5 p.m. Overcast; temp. 14° to 29°; wind SW to W, 10-15 m.p.h.; ground covered with 2-in. snow. Twenty-three observers in 6 parties. Total party-hours, 24 (10½ on foot, 13½ by car); total party-miles, 143 (12 on foot, 131 by car). **Am. Bittern,** 1 (at an open spring at Hopkins Lake and in good health apart from a broken wing-tip that prevented it from flying more than 10 feet; caught when spring froze on Dec. 29; being kept in farmer's hayloft and fed on fish; still alive as of Jan. 8); Ruffed Grouse, 3; Sharp-tailed Grouse, 36; European Partridge, 8; Horned Owl, 1; Snowy Owl, 2; Short-eared Owl, 6; Hairy Woodpecker, 4; Downy Woodpecker, 4; Blue Jay, 3; Am. Magpie, 23; Black-capped Chickadee, 58; White-breasted Nuthatch, 1; Common Starling, 25; House Sparrow, 443; Evening Grosbeak, 7; Pine Grosbeak, 14; Common Redpoll, 125 (est.); Slate-colored Junco, 50 (est.); Snow Bunting, 396 (est.). **Total,** 20 species; 1210 individuals. (Seen in area Dec. 30: Am. Robin; Dec. 22: Golden-crowned Kinglet; Dec. 17: Baltimore Oriole.)—Tyrone Balacko, Mr. and Mrs. Brian Bjarnason, Wayne Bjorgan, Brother Clarence, Lionel Coleman, Ronald Coleman, Dr. and Mrs. Stuart Houston (compilers), Brother Justin, Preston MacDonald, Mrs. W. J. McDonald, Allan Nurse, Jack Park, Phil Pawluck, Greg Pearce, Irving Pearce, Wayne Pearce, Cliff Shaw, Frank Switzer, Gillean Switzer, Brother Vincent, D'Arcy Wershler (Yorkton Natural History Society).

25. Grande Prairie, Alta. (300 miles northwest of Edmonton; 7½-mile radius centered at a point in town of Grande Prairie; activity concentrated in southwestern sector; coniferous woods 10%, deciduous woods 27%, cultivated fields 45%, town 5%, alder swamp 10%, lake shore 3%).—Dec. 26; 8:15 a.m. to 6:15 p.m. Overcast, clearing at 9:30 a.m.; temp. 27.3° to 36.2°; wind W, 20-14 m.p.h.; ground covered with 3-4-in. snow; no open water. Three observers together. Total hours, 10 (5 on foot, 5 by car); total miles, 116 (10 on foot, 106 by car). Golden Eagle, 1 (adult seen directly overhead in excellent light and followed for several miles by car); unidentified hawk, 2; Ruffed Grouse, 1; Horned Owl, 1; Snowy Owl, 4; Short-eared Owl, 9; Hairy Woodpecker, 1; Downy Woodpecker, 1; Gray Jay, 11; Am. Magpie, 16; Black-capped Chickadee, 21; Brown-capped Chickadee, 1; Gray Shrike, 1; House Sparrow, 92 (60±10, 32); Pine Grosbeak, 1; Common Redpoll, 103 (65±15, 38). **Total,** 15 species; about 266 individuals. (Seen recently in area: Gyrfalcon, Sharp-tailed Grouse, Bohemian Waxwing, Evening Grosbeak, Snow Bunting.)—Fred Helleiner, R. Fraser Smith, Donald Thomson.

26-27. College, Alaska (6 miles west of Fairbanks; transect from College to Cleary Summit on the Steese Highway and return, also vicinity of Smith Lake, and ski trail by Country Club; 90% small-diameter spruce-birch-aspen forest, remainder open farmland or areas of placer mining. Cleary Summit (2800 ft.) is at timberline).—Dec. 26; 8:45 a.m. (.6 footcandles) to 3:15 p.m. (.5 footcandles). High overcast (max. of 40 footcandles); sunrise

9:58 a.m., sunset 1:45 p.m.; temp. -5° to 5°; wind N, 0-1 m.p.h.; ground covered with 1-12-in. snow. Ten observers in 3 parties. Total party-hours, 11½ (4 on foot, 4½ by car, 3 on skis); total party-miles, 53 (3 on foot, 46 by car, 4 on skis). Goshawk, 1; Rock Ptarmigan, 14; ptarmigan (probably Rock), 46; Ruffed Grouse, 1; Hawk Owl, 1; Gray Jay (Alaskan), 17; Common Raven, 36; Black-capped Chickadee, 8; Brown-capped Chickadee, 14; chickadee (sp.), 14; Pine Grosbeak, 76; Hoary and Common Redpoll, 423. **Total,** 11 species; about 651 individuals. (Seen Dec. 27: Sharp-tailed Grouse, 2; Arctic Woodpecker, 1.)—J. L. Buckley, J. W. Brooks, G. Gill, J. Gill, B. Kessel (compiler), T. C. Lachelt, W. L. Libby, E. Pruitt, W. Pruitt, G. Schaller (Univ. of Alaska).

28. Brunswick, Me. (7½-mile radius centered west of Gurnet, including Mere Point, Harpswell, Orr's Island, Bailey's Island, Cundy's Harbor, Howard Point, Topsham; town suburbs 10%, coniferous and deciduous woodlots 20%, cleared fields 25%, salt-water bays and inlets 45%).—Jan. 3; 4 a.m. to 4 p.m. Freezing rain and fog; temp. 34°; wind NE, 6 m.p.h.; ground frozen and covered with glare ice, bays and inlets mostly open. Thirteen observers in 5 parties. Total party-hours, 40 (22 on foot, 18 by car); total party-miles, 140 (45 on foot, 95 by car). Common Loon, 1; Red-necked Grebe, 5; Horned Grebe, 6; European Cormorant, 2; Mallard, 4; Black Duck, 575; Pintail, 2; scaup (sp.), 242; Am. Golden-eye, 1015; Buffle-head, 23; Old-squaw, 25; White-winged Scoter, 5; Surf Scoter, 7; Red-breasted Merganser, 10; Rough-legged Hawk, 2; Bald Eagle, 1; Ruffed Grouse, 9; Ring-necked Pheasant, 3; Purple Sandpiper, 3; Great Black-backed Gull, 6; Herring Gull, 1810; Ring-billed Gull, 2; Mourning Dove, 1; Saw-whet Owl, 2; Yellow-shafted Flicker, 11; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 17; Blue Jay, 24; Am. Crow, 200; Black-capped Chickadee, 81; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 40; Gray Shrike, 2; Common Starling, 160; Myrtle Warbler, 7; House Sparrow, 60; Eastern Meadowlark, 1; Purple Finch, 4; Am. Goldfinch, 13; White-winged Crossbill, 15; Savannah Sparrow, 1; Slate-colored Junco, 6; Am. Tree Sparrow, 170; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 17. **Total,** 49 species; 4610 individuals.—Mrs. J. S. Coles, N. Dane II (compiler), N. Dane III, C. Huntington, D. H. Morse, J. M. Moulton, C. M. Packard, C. W. Ring, O. Sadler, H. S. Shaw, H. S. Shaw, Jr., N. Shaw, F. B. Whitman.

29. Pemaquid Point and Damariscotta, Me. (westerly shore of Muscongus Bay from Pemaquid Point to Broad Cove, Heath Pt. Road and Turner Road, Bremen, Damariscotta River at public landing and at Lewis Pt., Damariscotta, also 1 feeding station observed 8 hours; rocky shore and adjacent sea water 50%, open fields 20%, mixed woodlands 20%, swamps 10%).—Dec. 27; 6:30 a.m. to 4:30 p.m.; temp. 21° to 26°; wind NW, 25-35 m.p.h.; ground clear, fresh water frozen over except running streams and small areas in Pemaquid and Macurda Ponds. Sea very rough. Four observers in 1 party. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 45 (6 on foot, 39 by car). Common Loon, 17; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 2; Gannet, 13; European Cormorant, 5; Black Duck, 205; Am. Golden-eye, 242; Buffle-head, 142; Old-squaw, 133; Common Eider, 44; White-winged Scoter, 6; Am. Scoter, 2; Red-breasted Merganser, 27; Ruffed Grouse, 1; Purple Sandpiper, 65; Great Black-backed Gull, 10; Herring Gull, 229; Black-legged Kittiwake, 9; Black Guillemot, 4; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 4; Am. Crow, 35; Black-capped Chickadee, 17; Red-breasted Nuthatch, 3; Mockingbird, 1; Golden-crowned Kinglet, 3; Common Starling, 22; House Sparrow, 30; Evening Grosbeak, 35; Am. Goldfinch, 2; Slate-colored Junco, 8; Am. Tree Sparrow, 15; Song Sparrow, 4. **Total,** 35 species; 1343 individuals. (Seen in area Dec. 21: Gray Shrike, 1; Dec. 24: Rough-legged Hawk (dark phase), 1; Dec. 28: Am. Robin, 1; Purple Finch, 1; Brown Creeper, 1; Dec. 29: Belted Kingfisher, 1.)—M. Day, M. Libby, M. Buxton, R. Buxton (compiler).

30. Portland, Me. (7½-mile radius centering on Barren Hill in Cape Elizabeth, including Portland, South Portland, Cape Elizabeth, Scarboro, and adjacent waters all in Cumberland County; salt-water bays, ocean, and beach 40%, deciduous suburbs 10%, pasture and plowland 10%, coniferous-deciduous forest 30%, salt-water marshes 10%).—Dec. 27; 4 a.m. to 4:30 p.m. Clear; temp. 22° to 34°; wind NW, 25-5 m.p.h.; ground bare, most fresh- and salt-water pools in marshes frozen. Twenty-seven observers in 1 party. Total party-hours, 12½ (4½ on foot, 8 by car); total party-miles, 130 (10 on foot, 120 by car). Common Loon, 6; Red-throated Loon, 2; Red-necked Grebe, 1; Horned Grebe, 19; European Cormorant, 1; Mallard, 1; Black Duck, 324; Pintail, 3; Am. Golden-eye, 78; Buffle-head, 17; Old-squaw, 53; White-winged Scoter, 16; Surf Scoter, 190; Am. Scoter, 175; Red-breasted Merganser, 25; Rough-legged Hawk, 1; Marsh Hawk, 1; Ruffed Grouse, 5; Purple Sandpiper, 37; Glaucous Gull, 1; Great Black-backed Gull, 25; Herring Gull, 1400 (est.); Ring-billed Gull, 2; Mourning Dove, 8; Snowy Owl, 3; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 25; Blue Jay, 9; Am. Crow, 50; Black-capped Chickadee, 24; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 2; Golden-crowned Kinglet, 20; Common Starling, 200 (est.); House Sparrow, 80; Eastern Meadowlark, 10; Red-winged Blackbird, 1; Brown-headed Cowbird, 3; Common Redpoll, 6; Am. Goldfinch, 5; Slate-colored Junco, 17; Am. Tree Sparrow, 20; Song Sparrow, 2. **Total,** 46 species; about 2878 individuals.—Jessie L. Beach, Mrs. E. H. Carlson, Mr. and Mrs. Thompson F. Dow, Mrs. Joseph B. Drummond, Mrs. Donald Fowler, Mrs. Gladys D. Higgins, Mr. and Mrs. Frank A. Kittredge, Mr. and Mrs. Robert W. Larry, Mrs. D. M. Libby, W. Haraden Maxwell, Douglass Morse,

Minot Morse, Jr., Christopher M. Packard (compiler), Mrs. Myrton B. Packard, Cleora A. Reed, Mrs. Walter P. Reeves, Mrs. Clinton Rines, Lucy S. Soule, Wendell Taber, Carter Taylor, Ernest Vining, F. Burton Whitman, Jr., Belva Wilson, Christine Wyman (Portland Society of Natural History).

31. **Webster Corner, Me.** (5-mile radius centering on Webster Corner, southern Androscoggin County; same area as previous years with more thorough coverage).—Dec. 26; 7 a.m. to 4:45 p.m. Increasing cloudiness in p.m.; temp. 22° to 45°; wind W, 5-8 m.p.h.; fields mostly bare, river frozen except at Lisbon Falls, patches of snow in woods. Two observers in 2 parties. Total party-hours, 18 (15½ on foot, 2½ by car); total party-miles, 90 (30 on foot, 60 by car). Am. Merganser, 2; Ruffed Grouse, 30; Ring-necked Pheasant, 1; Herring Gull, 34; Barred Owl, 1; Hairy Woodpecker, 8; Downy Woodpecker, 2; Blue Jay, 21; Am. Crow, 2; Black-capped Chickadee, 266; White-breasted Nuthatch, 1; **Red-breasted Nuthatch,** 37; Brown Creeper, 5; Golden-crowned Kinglet, 177; Gray Shrike, 1; Common Starling, 3; House Sparrow, 2; Evening Grosbeak, 10; Purple Finch, 98; Pine Grosbeak, 2; Hoary Redpoll, 2; Common Redpoll, 200±; Pine Siskin, 32; Am. Goldfinch, 323; White-winged Crossbill, 2; Savannah Sparrow, 1; Slate-colored Junco, 34; Am. Tree Sparrow, 51; White-throated Sparrow, 2; Song Sparrow, 1; Snow Bunting, 24. **Total,** 31 species; 1375+ individuals. Hoary Redpolls observed in company with Common Redpolls at a distance of 50 ft. through 8x40 binoculars (M.C.M.). Savannah Sparrow (injured wing) has been at feeder since Dec. 17. Unusual abundance of finches and kinglets. (Seen in area within 2 days: Robin, 1; Red Crossbill, 2; Snowy Owl, 2.)—Douglass H. Morse, M. C. Morse, Jr. (compiler).

32. **York and Wells, Me.** (mainly coastwise, and short distances inland, for about 10 miles; rocky headlands covered with conifers and some hardwoods 40%, salt marsh and salt creeks 60%).—Jan. 1; 7:15 a.m. to 3 p.m. Clear at first, soon clouding over followed by light snow from noon on; temp. 10° to 28°; wind NW, 8-12 m.p.h. Eight observers in 1 party. Total hours, 7¾ (1 on foot, 6¾ by car); total miles [not given—Ed.]. Common Loon, 16; Red-throated Loon, 1; Red-necked Grebe, 19; Horned Grebe, 21; European Cormorant, 13; Mallard, 3; Black Duck, 148; Am. Widgeon, 1; Pintail, 2; Am. Golden-eye, 130; Buffle-head, 1; Old-squaw, 52; Common Eider, 310; White-winged Scoter, 7; Surf Scoter, 15; Am. Scoter, 2; unidentified scoters, 52; Am. Merganser, 2; Red-breasted Merganser, 42; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Purple Sandpiper, 16; Great Black-backed Gull, 5; Herring Gull, 350; Ring-billed Gull, 2; Mourning Dove, 1; Snowy Owl, 1; Downy Woodpecker, 1; Horned Lark (Northern), 9; Blue Jay, 7; Am. Crow, 32; Black-capped Chickadee, 26; Golden-crowned Kinglet, 2; Common Starling, 235; Myrtle Warbler, 1; House Sparrow, 50; Eastern Meadowlark, 14; Purple Finch 15; Am. Goldfinch, 13; Savannah Sparrow, 1; Slate-colored Junco, 1; Am. Tree Sparrow, 65; Song Sparrow, 5; Snow Bunting, 20. **Total,** 44 species; 1712 individuals.—Kimball C. Elkins, Caroline Jakeman, Christopher M. Packard, H. Maxwell, Peter Castle, R. T. Paine, 3rd, O. M. Root, W. Taber (compiler).

33. **Coastal New Hampshire** (7½-mile radius to include Hampton-Seabrook Harbor, Portsmouth, lower Great Bay and Exeter; ocean 15%, bays and tidal rivers 20%, open land 10%, marsh 5%, brush 10%, suburban 10%, mixed woods 30%).—Dec. 26; 12 m. to 5 p.m. Clear to partly cloudy; temp. 20° to 35°; wind W, 6-12 m.p.h.; ground bare; Great Bay open, fresh water mostly frozen. Twelve observers in 6 parties. Total party-hours, 60 (45 on foot, 15 by car); total party-miles, 265 (15 on foot, 250 by car). Common Loon, 37; Red-throated Loon, 26; Red-necked Grebe, 47; Horned Grebe, 254; Gannet, 7; European Cormorant, 12; **Black-crowned Night Heron,** 1; Canada Goose, 1200 (±100); Mallard, 5; Black Duck, 1295 (1000±100, 295); **European Widgeon,** 1 ♂ (since Nov.—D.F., R.D.); **Am. Widgeon,** 13; **Ring-necked Duck,** 1 (K.E.); Greater Scaup, 601 (600±50); Am. Golden-eye, 972 (±100); **Barrow's Golden-eye,** 1 ♂ (B.L.B.); Buffle-head, 58; Old-squaw, 97; White-winged Scoter, 84; Surf Scoter, 33; Am. Scoter, 6; Am. Merganser, 10; Red-breasted Merganser, 441 (±50); Cooper's Hawk, 1; Bald Eagle, 1 (or 2); Sparrow Hawk, 5; Ruffed Grouse, 2; Ring-necked Pheasant, 15; **Clapper Rail,** 1 (grayish, near chicken-size, brackish marsh, 15 ft. away—R.D.); **Am. Coot,** 1; **Black-bellied Plover,** 4; Red-backed Sandpiper, 60; Great Black-backed Gull, 28; Herring Gull, 1587 (±200); Bonaparte's Gull, 17; Screech Owl, 1; Horned Owl, 3; Snowy Owl, 3; Yellow-shafted Flicker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 6; Horned Lark, 104 (±10); Blue Jay, 29; Am. Crow, 145; Black-capped Chickadee, 130; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 1; Golden-crowned Kinglet, 10; **Ruby-crowned Kinglet,** 2 (N.L.H., C.deW.); Cedar Waxwing, 8; Common Starling, 1425 (±200); Myrtle Warbler, 114; **Palm Warbler,** 1 (C.deW., K.E.); **Common Yellow-throat,** 1 (C.deW., K.E.); House Sparrow, 72; Eastern Meadowlark, 25; Purple Finch, 26; Am. Goldfinch, 163; Slate-colored Junco, 38; Am. Tree Sparrow, 97; White-throated Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 22; Snow Bunting, 31. **Total,** 66 species; about 9419 individuals. (Seen in area Dec. 29: Iceland Gull, Belted Kingfisher; Jan. 1: 3 Savannah Sparrows; Jan. 2: American Eider, Pileated Woodpecker.)—Mr. and Mrs. Bradley L. Baker, Hamilton Coolidge, Kimball Elkins, Devaux and Robert Delancey, Clara deWindt, Davis and Eugene Finch, Mr. and Mrs. Norman L. Hatch, Tudor Richards (compiler) (N. H. Audubon Society).

34. **Dummer Hill in Dummer and Stark, N. H.** (open fields and Canadian forest).—Dec. 30; 8 a.m. to 3:30 p.m. Clear to partly cloudy; temp. 26° to

36°; wind NW, 10 m.p.h.; ground covered with 0-4 in. snow. One observer. Total hours, 7½; total miles, 10 (on foot). Ruffed Grouse, 10; Hairy Woodpecker, 1; Blue Jay, 5; Black-capped Chickadee, 143; **Red-breasted Nuthatch,** 51; Golden-crowned Kinglet, 29; Evening Grosbeak, 10; Purple Finch, 25; Pine Grosbeak, 91; Pine Siskin, 118; Am. Goldfinch, 32; **White-winged Crossbill,** 92; Slate-colored Junco, 35; Am. Tree Sparrow, 10; Snow Bunting, 100. **Total,** 15 species; 752 individuals.—Stuart K. Harris.

35. Laconia—New Hampton, N. H. (7½-mile radius to include Meredith Bay, Governor's Island, Gilford, Silver Lake and New Hampton village; open lakes and rivers 35%, mixed white pine, northern hardwoods 30%, suburban 25%, brush 5%, open fields 5%).—Jan. 2; 6:30 a.m. to 4:45 p.m. Mostly clear; temp. 10° to 25°; wind NW, 12-1 m.p.h.; 2-3-in. snow in woods, ground mostly bare in open; large lakes open; small lakes and ponds mostly frozen. Thirty-five observers, 12 afield in 5 parties, the rest at their homes. Total party-hours, about 30 (16 on foot, 14 by car); total party-miles, 140 (12 on foot, 128 by car). Common Loon, 1; **Horned Grebe,** 213 (T.R.); **Gannet,** 1 (at range of a few feet; apparently in poor condition, as it flew only a few hundred feet and landed on the ground—M.K.); Mallard, 13; Black Duck, 200; **Ring-necked Duck,** 1 (T.R.); Am. Golden-eye, 225; **Barrow's Golden-eye,** 1 ♂ (T.R.); **Buffle-head,** 1 ♂; Hooded Merganser, 16; Am. Merganser, 277; **Red-breasted Merganser,** 2; Sharp-shinned Hawk, 1; Red-tailed Hawk ? (buteo) 1; Bald Eagle, 2; Ruffed Grouse, 3; **Am. Coot,** 1 (T.R.); Herring Gull, 40; Hairy Woodpecker, 25; Downy Woodpecker, 26; Blue Jay, 41; Am. Crow, 16; Black-capped Chickadee, 182; White-breasted Nuthatch, 32; Red-breasted Nuthatch, 7; Brown Creeper, 3; Winter Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 13; Gray Shrike, 2; Common Starling, 15; House Sparrow, 158; **Evening Grosbeak,** 118; Purple Finch, 40; Pine Siskin, 19; Am. Goldfinch, 106; **Red Crossbill,** 16; White-winged Crossbill, 14; Slate-colored Junco, 28; Am. Tree Sparrow, 100; Song Sparrow, 1; Snow Bunting, 2. **Total,** 42 species; about 1965 individuals. (Seen in area Dec. 26: Red-winged Blackbird.)—Mrs. Lawrence Baldi, Mrs. Allan Chase, Mr. and Mrs. Harold Chase, Mrs. James Conway, Ethel Emmons, Hazel Gordon, Della Harvey, Rufus Libby, Alice Marsh, Mr. and Mrs. A. H. Matthews, Ann, Clarence, Mary and Pauline Merrill, Mrs. Clarence Hubbard, Mrs. Arthur Gary, Mr. and Mrs. Earle Lancaster, Margaret Grothey, Muriel Kendrick, Mrs. John McLaughlin, Blanche Noyes, Marguerite Pardee, Mrs. Charles Pitman, Tudor Richards (compiler), Elsie Robbins, Frank Seaver, Mrs. Ralph Smith, Dr. and Mrs. David Van Strien, Lucille and Vera Wallace, Priscilla Wolfe.

36. New London, N. H. (7½-mile radius, including a complete circuit of Lake Sunapee; deciduous farm woodlots 75%, pine groves 10%, open fields 10%, town suburbs 5%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy; temp. 19° to 24°; wind W, 5-10 m.p.h.; ground covered with 2-4-in. crusted snow; ponds frozen, Lake Sunapee open. Five observers in 2 parties. Total party-hours, 11½; total party-miles, 35 (15 on foot, 20 by car). Horned Grebe, 1; Ruffed Grouse, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 3; Am. Crow, 1; Black-capped Chickadee, 55; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 5; Brown Creeper, 5; Golden-crowned Kinglet, 4; House Sparrow, 5; Am. Goldfinch, 78; Slate-colored Junco, 5; Am. Tree Sparrow, 16. **Total,** 16 species; 193 individuals. (Seen in area Dec. 25: Goshawk, 1.)—C. Vance Allyn, Mrs. Harold Currier, Arthur A. Hart (compiler), Mrs. Forest Kimball, Dr. John H. Ohler.

37. Pittsburg, N. H. (7½-mile radius to include Pittsburg village and lower east inlet; open pools in river 5%, village 5%, open land 5%, brush 10%, northern hardwoods and mixed woods 30%, northern softwoods 45%).—Dec. 28; 6:15 a.m. to 5:15 p.m. Light snowfall at start, cloudy; temp. 12° to 20°; no appreciable wind; ground covered with 4-12-in. snow; all bodies of water frozen except parts of Connecticut River. Five observers in 1 party. Total hours, 10 (7 on foot, 3 by car); total miles, 80 (7 on foot, 73 by car). Black Duck, 21; Am. Golden-eye, 22; Am. Merganser, 25; Ruffed Grouse, 1; **Herring Gull,** 1; Horned Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; **Three-toed Woodpecker,** 2; **Gray Jay,** 5; Blue Jay, 3; Black-capped Chickadee, 41; **Brown-capped Chickadee,** 24; White-breasted Nuthatch, 2; **Red-breasted Nuthatch,** 30; Brown Creeper, 2; Golden-crowned Kinglet, 9; Gray Shrike, 2; Evening Grosbeak, 1; Purple Finch, 61; Pine Grosbeak, 71; Pine Siskin, 12; Am. Goldfinch, 58; **White-winged Crossbill,** 168; Slate-colored Junco, 2; Snow Bunting, 1. **Total,** 26 species; about 572 individuals. (Seen in area Dec. 29: Mallard and Ring-billed Gull.)—Davis Finch, Mr. and Mrs. Tudor Richards (compiler), Mr. and Mrs. Fred T. Scott.

38. Bennington, Vt. (7½-mile radius centering at the Bennington Battle Monument and including Bennington Village and parts of the Hoosic and Walloomsac rivers; open fields 40%, villages 10%, deciduous woods 30%, evergreen woods 10%, feeding stations 10%).—Jan. 2; 7:30 a.m. to 5 p.m. Clear until 10 a.m., thin clouds afterwards; temp. 12° to 34°; wind E, 1-3 m.p.h.; ground sparsely covered with snow. Eight observers in 6 parties. Total party-hours, 44 (36 on foot, 8 by car); total party-miles, 52 (16 on foot, 36 by car). Cooper's Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 14; **Am. Coot,** 1 (taken alive on a street in Bennington Village); Herring Gull, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 8; Blue Jay, 14; Am. Crow, 56; Black-capped Chickadee, 93; White-breasted Nuthatch, 11; Am. Robin, 1; Common Starling, 88; House Sparrow, 186; Eastern Meadowlark, 1; Purple Finch, 5; Am. Goldfinch, 3; Slate-colored Junco, 7; Am. Tree

Sparrow, 164. **Total,** 22 species; 668 individuals. (Seen Dec. 25: Golden-crowned Kinglet, 3.)—Henrietta and Dorothy Barrow, Thomas Foster, Mrs. Stella Higgins, John Johnson, Mrs. Margery Ludlow, Howard Nash, Lucretius H. Ross (compiler).

39. Burlington, Vt. (7½-mile radius centering at College St. and the lake front, including lake shore from Shelburne Point to Barney Point; Red Rocks, Apple Tree Point, the Intervale, and a small residential area; open lake and adjacent shore 48%, fields 24%, coniferous woods 25%, deciduous woods 2%, residential 1%).—Jan. 2; 7 a.m. to 4:30 p.m. Clear; temp. 5° to 20°; wind E to S, 8-10 m.p.h.; ground covered with 1-in. light snow; broad lake and deep bays open, shallow bays and rivers frozen. Four observers in 3 parties. Total party-hours, 22½ (17¼ on foot, 3¾ by car, 1½ by boat); total party-miles, 77 (18 on foot, 57 by car, 2 by boat). Common Loon, 6; **Red-throated Loon,** 1; Red-necked Grebe, 3; Horned Grebe, 22; Mallard, 2; Black Duck, 109; **Pintail,** 9; Greater Scaup, 4; Am. Golden-eye, 858; **Barrow's Golden-eye,** 1 ♂ (M.L.S.); Buffle-head, 2; White-winged Scoter, 4; Am. Scoter, 1; Hooded Merganser, 1; Am. Merganser, 121; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; **Purple Sandpiper,** 1 (on breakwater—N.S.J.); Great Black-backed Gull, 1; Herring Gull, 1421; Ring-billed Gull, 33; Pileated Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 12; Blue Jay, 7; Am. Crow, 13; Black-capped Chickadee, 36; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 3; Brown Creeper, 3; Am. Robin, 1; Golden-crowned Kinglet, 1; **Gray Shrike,** 2; Common Starling, 152; House Sparrow, 491; **Red-winged Blackbird,** 1; Purple Finch, 10; Common Redpoll, 14; Pine Siskin, 11; Am. Goldfinch, 19; **White-winged Crossbill,** 9; Am. Tree Sparrow, 276; Song Sparrow, 14; Snow Bunting, 209. **Total,** 47 species; 3905 individuals. (Seen in area Jan. 3: Bald Eagle, 2; Mourning Dove, 4; Cedar Waxwing, 27.)—Elizabeth Ball, Anna S. Reynolds, Norman St. Jacques, Marion L. Smith (compiler).

40. Southeastern Vermont (7½-mile radius centering on West Brattleboro, and including parts of the towns of Marlboro, Newfane, Brattleboro, Vernon, and Hinsdale, N.H.; elevation to 1700 ft.; mixed woodlands 40%, river, shoreline, and marshes 20%, open farmland 40%).—Jan. 2; 8 a.m. to 4:30 p.m. Clear in a.m., cloudy in p.m.; temp. 9° to 30°; no wind; ground covered with 1-4-in. crusted snow; essentially all fresh water frozen. Six observers in 3 parties. Total party-hours, 14 (9 on foot, 5 by car); total party-miles, 65 (7 on foot, 58 by car). Am. Merganser, 4; Ruffed Grouse, 1; Saw-whet Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 5; Am. Crow, 10; Black-capped Chickadee, 24; White-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 1; Common Starling, 30; House Sparrow, 22; Brown-headed Cowbird, 8; Am. Goldfinch, 36; Slate-colored Junco, 21; Am. Tree Sparrow, 43. **Total,** 17 species; 215 individuals. (Seen in area during previous week: White-winged Crossbills.)—Mr. and Mrs. J. W. MacArthur, Olive T. MacArthur, Mr. and Mrs. R. H. MacArthur (compilers), S. O. Sears.

41. Woodstock, Vt. (same area as last year).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 10° to 36°; wind W, 0-10 m.p.h.; ground covered with 1-in. fresh snow. Twenty-eight observers in 18 parties. Total party-hours, 73 (6 on foot, 9 by car, 58 at feeders); total party-miles, 104 (6 on foot, 98 by car). Am. Merganser, 8; Sharp-shinned Hawk, 1; Ruffed Grouse, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 19; Blue Jay, 23; Am. Crow, 31; Black-capped Chickadee, 136; White-breasted Nuthatch, 25; Gray Shrike, 1; Common Starling, 10; House Sparrow, 60; Evening Grosbeak, 5; Purple Finch, 42; Pine Siskin, 125; Am. Goldfinch, 9; Slate-colored Junco, 1; Am. Tree Sparrow, 137; Song Sparrow, 2; Snow Bunting, 1. **Total,** 21 species; 653 individuals. (Seen in area Dec. 24: Belted Kingfisher, 1.)—Mrs. Edwin Bates, Mrs. Hazen Blanchard, Mrs. Elba Buckman, Mrs. Preston Cole, Mrs. Earl Crane, Mrs. Philip Cummings, Sarah Cummings, Cornelia Cummings, Mr. and Mrs. T. S. Fillebrown, Mrs. H. C. Holt, Mrs. Clinton Howland, Mrs. Delemer Jones, Mr. and Mrs. Earl Lussier, Mr. and Mrs. Richard Marble, Mrs. Fred Menning, Mr. and Mrs. R. Robinson, Mr. and Mrs. E. C. Taylor, Mrs. A. E. Thomas, Lilian Townsend, Dr. and Mrs. C. A. Williams, Mr. and Mrs. Fred Winslow.

42. Belmont, Mass. (including Fresh Pond in Cambridge, same area as previous 19 years: pasture 10%, deciduous woodland 25%, coniferous woodland 10%, marshland 15%, residential 40%).— Dec. 30; 7 a.m. to 6 p.m. Mostly fair; temp. 30° to 40°; wind SW, 5 m.p.h.; ground bare; all ponds but Little Spy open. Eighteen observers in 10 parties. Total party-hours, 39 (22 on foot, 7 by car, 10 at 5 feeding stations); total party-miles, 68 (31 on foot, 37 by car). Pied-billed Grebe, 1; Mallard, 133; Black Duck, 92; Greater Scaup, 2; Am. Merganser, 68; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 8; Great Black-backed Gull, 3; Herring Gull, 238; Barn Owl, 1; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Hairy Woodpecker, 5; Downy Woodpecker, 15; Blue Jay, 54; Am. Crow, 39; Black-capped Chickadee, 137; White-breasted Nuthatch, 11; Brown Creeper, 7; Winter Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 125; Common Starling, 414; House Sparrow, 160; Eastern Meadowlark, 1; Purple Finch, 19; Am. Goldfinch, 126; Savannah Sparrow, 1; Slate-colored Junco, 161; Am. Tree Sparrow, 80; Field Sparrow, 2; White-throated Sparrow, 34; Swamp Sparrow, 33; Song Sparrow, 40. **Total,** 39 species; 2032 individuals.—Peter Ames, Campbell Bosson, Mr. and Mrs. Harold I. Brown, Peter Castle, Mrs. William H. Claflin, 3rd, Mrs. Francis W. Davis, George Drew, Mrs. Rachel Drew, Mrs. Hervey B. Elkins, Kimball C. Elkins, Ivan Getting, Jr., George T. Jenks, Robert T. Payne, 3rd, Mr. and Mrs. Samuel

D. Robbins (compiler), Mr. and Mrs. K. L. Zerbe.

43. **Cape Ann, Mass.** (Beverly, Essex, Manchester, Gloucester, Rockport, and Ipswich Beach).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 15° to 40°; wind SW, 15-30 m.p.h.; ground bare; ponds partially frozen. Forty-nine observers in 8 parties. Total party-hours, 60 (25 on foot, 35 by car); total party-miles, 257 (76 on foot, 181 by car). Common Loon, 30; Red-throated Loon, 14; Red-necked Grebe, 7; Horned Grebe, 126; Pied-billed Grebe, 1; Gannet, 20; European Cormorant, 308; **Double-crested Cormorant,** 1 (sitting on an adjoining rock with a European Cormorant; all points of comparison well noted—D.E.S.); Great Blue Heron, 1; Canada Goose, 12; Mallard, 15; Black Duck, 754; Ring-necked Duck, 1; Greater Scaup, 25; Am. Golden-eye, 355; Barrow's Golden-eye, 2 (of regular occurrence here in late years—D.E.S.); Buffle-head, 63; Old-squaw, 80; Common Eider, 9; White-winged Scoter, 128; Surf Scoter, 8; Am. Scoter, 7; Red-breasted Merganser, 311; Cooper's Hawk, 2; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 13; Am. Coot, 5; Wilson's Snipe, 1; Purple Sandpiper, 194; Sanderling, 20; Glaucous Gull, 2; Iceland Gull (Kumlien's), 3 (D.E.S.); Great Black-backed Gull, 266; Herring Gull, 6412; Ring-billed Gull, 6; Black-legged Kittiwake, 1; Razor-billed Auk, 2; Mourning Dove, 15; Screech Owl, 1; Snowy Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 22; Hairy Woodpecker, 5; Downy Woodpecker, 23; Horned Lark, 51; Blue Jay, 39; Am. Crow, 290; Black-capped Chickadee, 211; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 2; Mockingbird, 1; Catbird, 1; Brown Thrasher, 2; Am. Robin, 20; Hermit Thrush, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 20; Gray Shrike, 1; Common Starling, 2880; Myrtle Warbler, 2161; Palm Warbler (Western), 1; House Sparrow, 328; Eastern Meadowlark, 31; **Baltimore Oriole,** 1 (at a feeder—Mr. and Mrs. F.W.); Brown-headed Cowbird, 1; **Dickcissel,** 1 (at a feeder—Mrs. W.H.R.); Purple Finch, 72; Pine Siskin, 10; Am. Goldfinch, 98; Eastern Towhee, 1; Savannah Sparrow, 5; Slate-colored Junco, 242; Am. Tree Sparrow, 208; White-throated Sparrow, 15; Swamp Sparrow, 2; Song Sparrow, 26; Snow Bunting, 35. **Total,** 82 species; 16,061 individuals.—Wallace Bailey (compiler), Sharon Baker, Mr. and Mrs. John Beattie, Donald Burk, Emmett Cleveland, Dr. M. T. Copland, James Downey, Robert Fox, Mr. and Mrs. Robert H. Gibbs, Michael Green, Donald Hale, Priscilla Hale, Kenneth Hamilton, Lois Hatch, Robert Hellman, Seward Highley, Mr. and Mrs. L. Jameson, Larry Jodrey, Natalie King, Bertram Leadbeater, Marcia Leahy, George Loring, Marjorie Morando, Shalley Micheals, Cedric Parter, Harold Parker, Herbert Pratt, Mrs. H. Pratt, William Rice, Mrs. William H. Robinson, Elliott Rogers, Douglas Sands, Virginia Sleigh, Dorothy Snyder, Roderic Summers, Jeffery Thomas, Richard Vahan, Judith Vogel, Mr. and Mrs. Francis Wade, Anne White, Judy White, Henry Wiggin, Robert Wood, Mr. and Mrs. Rufus Wood.

44. **Cape Cod, Mass.** (parts of Chatham, Brewster, Orleans, and Eastham; same routes as previous years).—Jan. 3; 1 hour before dawn to 1 hour after dusk. Clear to overcast; temp. 36° to 54°; wind SW, 25 m.p.h.; ground bare, marshes and ponds open. Forty-eight observers in 8 parties. Total party-hours, 82 (34 on foot, 48 by car); total party-miles, 420 (65 on foot, 355 by car). Common Loon, 51; **Arctic Loon,** 1 (H.M.P.); Red-throated Loon, 57; Horned Grebe, 30; Pied-billed Grebe, 73; Gannet, 30; cormorant (sp.), 6; Great Blue Heron, 46; Black-crowned Night Heron, 118; Am. Bittern, 5; Canada Goose, 3296; Am. Brant, 600; Mallard, 14; Black Duck, 1994; Am. Widgeon, 58; Pintail, 2; Green-winged Teal, 21; Wood Duck, 6; Redhead, 3; Ring-necked Duck, 13; Canvas-back, 4; Greater Scaup, 106; Lesser Scaup, 70; Am. Golden-eye, 1640; Buffle-head, 201; Old-squaw, 161; **Harlequin Duck,** 1 (R. Bowen); Common Eider, 153; King Eider, 1; White-winged Scoter, 140; Surf Scoter, 4; Am. Scoter, 3; Ruddy Duck, 203; Hooded Merganser, 26; Am. Merganser, 210; Red-breasted Merganser, 482; Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Rough-legged Hawk, 1; Marsh Hawk, 14; Sparrow Hawk, 15; Ruffed Grouse, 4; Bob-white, 32; Ring-necked Pheasant, 9; Clapper Rail, 8; Virginia Rail, 1; Am. Coot, 28; **Ringed Plover,** 5 (C.R.M.); Killdeer, 1; Black-bellied Plover, 49; Wilson's Snipe, 12; Greater Yellow-legs, 7; **Red Knot,** 64 (unusual number—R. Bowen); Red-backed Sandpiper, 1839; Sanderling, 357; Great Black-backed Gull, 600; Herring Gull, 6871; Ring-billed Gull, 343; Laughing Gull, 1; Bonaparte's Gull, 67; **Common Tern,** 2 (L.G.); Mourning Dove, 12; Screech Owl, 2; Horned Owl, 12; Snowy Owl, 3; Long-eared Owl, 2; Short-eared Owl, 3; Saw-whet Owl, 1; Belted Kingfisher, 16; Yellow-shafted Flicker, 152; Hairy Woodpecker, 2; Downy Woodpecker, 29; Horned Lark, 164 (Northern, 163; Prairie, 1—C.R.M.); Blue Jay, 118; Am. Crow, 336; Black-capped Chickadee, 392; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 2; Long-billed Marsh Wren, 4; **Mockingbird,** 1 (N.P.H.); Catbird, 7; Brown Thrasher, 4; Am. Robin, 82; Hermit Thrush, 5; Eastern Bluebird, 236; Golden-crowned Kinglet, 46; Cedar Waxwing, 82; Gray Shrike, 1; Loggerhead Shrike, 2; Common Starling, 3517; Myrtle Warbler, 1943; **Palm Warbler,** 12 (Western, 11; Yellow, 1—C.R.M.); **Common Yellow-throat,** 2 (D. Snyder); **Yellow-breasted Chat,** 4 (R.H.); House Sparrow, 334; Eastern Meadowlark, 94; Brown-headed Cowbird, 12; **Dickcissel,** 1 (C.R.M.); Purple Finch, 16; Am. Goldfinch, 170; Eastern Towhee, 9; Ipswich Sparrow, 5; Savannah Sparrow, 23; Sharp-tailed Sparrow, 1; Seaside Sparrow, 18; Vesper Sparrow, 1; Slate-colored Junco, 63; Am. Tree Sparrow, 378; Field Sparrow, 5; White-throated Sparrow, 126; Fox Sparrow, 1; Swamp Sparrow, 61; Song Sparrow, 121; Snow Bunting, 3. **Total,** 118 species (2 additional subspecies); 28,815 individuals. (Also on Jan. 2: Piping Plover, 1; Semipalmated Sandpiper, 2; Barn Owl, 1; Chipping Sparrow, 1.)—Peter Ames,

Wallace Bailey, Mrs. Harold Barney, Eleanor Barry, Mr. and Mrs. John Beattie, Robert Benjamin, Richard Bowen, Dr. Ruth Brown, Edwin Chandler, Roland Clement, John Curtis, Henry Cutler, William Drury, Jr., Richard Eaton, Mrs. Maurice Emery, David Emerson, Mr. and Mrs. William Foerster, Robert Fox, David Freeland, Murray Gardler, Ludlow Griscom, Mr. and Mrs. Henry Halberg, Sibley Higginbotham, Norman Hill, Richard Hinchman, Mr. and Mrs. Daniel Johnson, Charles Kellogg, Mrs. Waters Kellogg, Donald Kennedy, Mrs. George Leghorn, Mr. and Mrs. Carl Lund, C. Russell Mason, Allen Morgan, Albert Nickerson, Theodore O'Gorman, Henry Parker (compiler), Louise Pratt, Dorothy Snyder, Donald Southall, Roderic Summers, Judith Vogel, Henry White, Robert Wood.

45. Greenfield, Mass. (7½-mile radius centering on race track at Franklin County Fair Grounds, Greenfield; fields and meadows 40%, woodlands 20%, populated areas 15%, marshland 15%, water areas 10%).—Dec. 27; 8 a.m. to 4 p.m. Clear; temp. 26° to 40°; wind NW, 5-15 m.p.h.; ground bare, Connecticut River frozen above Turners Falls. Twenty-seven observers in 14 parties, and 9 at their homes. Total party-hours, 70 (28 on foot, 42 by car); total party-miles, 458 (43 on foot, 415 by car). Pied-billed Grebe, 1; Black Duck, 45; Am. Golden-eye, 16; Hooded Merganser, 2; Am. Merganser, 114; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 6; Ruffed Grouse, 7; Ring-necked Pheasant, 22; Wilson's Snipe, 3; Herring Gull, 40; Ring-billed Gull, 1; Mourning Dove, 2; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Pileated Woodpecker, 8; Hairy Woodpecker, 35; Downy Woodpecker, 61; Horned Lark, 40 (Northern, 38; Prairie, 2); Blue Jay, 166; Am. Crow, 192; Black-capped Chickadee, 377; White-breasted Nuthatch, 55; Brown Creeper, 5; Mockingbird, 1; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 1412; House Sparrow, 1203; Red-winged Blackbird, 2; Evening Grosbeak, 5; Purple Finch, 16; Pine Siskin, 3; Am. Goldfinch, 459; Slate-colored Junco, 239; Am. Tree Sparrow, 639; Swamp Sparrow, 6; Song Sparrow, 17; Snow Bunting, 1. **Total,** 43 species (1 additional subspecies); 5245 individuals. (Seen outside census circle: Carolina Wren.)—Mrs. Carlos Allen, J. L. Bagg, Lawrence M. Bartlett, Betty Boyden, Mr. and Mrs. Harland Clark, Arthur Green, Raymond Hale, Caroline Hamilton, Mrs. Ruth Harlow, Mr. and Mrs. Robert Harrington, Harriet Harris, Paul Kemp, Jr., Mr. and Mrs. Arthur J. Leary, Mr. and Mrs. Edward Norman, William Nutting, Cristobel S. Rockwood, Mrs. John Sarles, Glenn A. Weeks (compiler), Mrs. L. H. Wheeler, Mrs. D. G. Wood, Walter Wunsch, Ruby Goodnow, Mrs. Philip F. Whitmore.

46. Holyoke, Mass. (same area as in past counts, except that the so-called "Island" in Connecticut River at Holyoke was not covered this year; town suburbs 25%, open river 25%, city park 25%, fields and roadsides 25%).—Jan. 3; 7 a.m. to 4 p.m. Cloudy with mist, then clear; temp. 32° to 38°; calm; ground bare to slightly dusted with snow; most ponds frozen, but Connecticut River largely open. Two observers in 1 party. Total hours, 9 (2 on foot, 7 by car); total miles, 60 (5 on foot, 55 by car). Black Duck, 300±; Wood Duck, 4; Am. Merganser, 57; Sparrow Hawk, 2; **Glaucous Gull,** 1 (obvious white-winged gull larger than Herring); Herring Gull, 100±; Ring-billed Gull, 16; Mourning Dove, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 18; Am. Crow, 67; Black-capped Chickadee, 24; White-breasted Nuthatch, 4; Golden-crowned Kinglet, 10; Common Starling, 2000±; House Sparrow, 300±; Brown-headed Cowbird, 15; Am. Goldfinch, 16; Slate-colored Junco, 19; Am. Tree Sparrow, 74; Song Sparrow, 1. **Total,** 22 species; about 3034 individuals.—A. M. Bagg, T. M. Bagg.

47. Jamaica Plain–Brookline, Mass. (2-mile radius centering at the Children's Museum in Jamaica Plain, and including the Arnold Arboretum, Sargent Estate in Brookline, Jamaica, Ward's, and Leverett's Ponds, and Muddy River to the Fine Arts Museum; municipal park area 80%, ponds and streams 10%, mixed woods 10%).—Jan. 2; 8 a.m. to 4 p.m. Clear; temp. 24° to 35°; wind NW, less than 1 m.p.h.; ground covered with less than ½-in. new snow; all small ponds frozen, Jamaica Pond and parts of Leverett's Pond and Muddy River open. Eleven observers in 1 party. Total hours, 8 (all on foot); total miles, 15 (all on foot). Pied-billed Grebe, 2; Mallard, 180; Black Duck, 260; Pintail, 1; Shoveller, 1; Wood Duck, 2; Lesser Scaup, 12; Am. Golden-eye, 2; Hooded Merganser, 2; Am. Merganser, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 6; Am. Coot, 7; Great Black-backed Gull, 6; Herring Gull, 230; Ring-billed Gull, 4; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 16; Am. Crow, 40; Black-capped Chickadee, 57; White-breasted Nuthatch, 2; Am. Robin, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 27; Common Starling, 60; House Sparrow, 50; Brown-headed Cowbird, 1; Pine Siskin, 2; Am. Goldfinch, 32; Slate-colored Junco, 90; White-throated Sparrow, 42; Fox Sparrow, 2; Song Sparrow, 2. **Total,** 35 species; 1151 individuals.—Mrs. Margret Hiltz, Ralph V. Rogers III (9), Caroline F. Rogers (11), George Smiltens (12), Alan Rowe (14), Francis Foley (14), Edward Foley (12), Paul Deveau (18), Kevin O'Brien (15), Marion Davis, Miriam E. Dickey (compiler) (Children's Museum Bird Club).

48. Lynn (Essex Co.), Mass. (7½-mile radius centered in Wyomah Square, Lynn, as in previous years; mixed woodland 50%, residential 10%, farms and pastures 20%, marsh and seashore 20%).—Dec. 26; 8 a.m. to 4 p.m. Clear to partly cloudy; temp. 40° to 50°; wind ENE, 3-5 m.p.h.; ground bare; fresh-water lakes frozen except for a few clear places. Twenty-four observers in 4 parties. Total party-hours, 32 (5.3 on foot, 26.7 by car); total party-miles, 273 (11½ on foot, 261½ by car). Common Loon, 15; Red-throated Loon, 8; Red-

necked Grebe, 2; Horned Grebe, 76; Pied-billed Grebe, 15; European Cormorant, 131; **Double-crested Cormorant,** 20 (L.S.); Mallard, 16; Black Duck, 1826; Am. Widgeon, 5; Ring-necked Duck, 2; Greater Scaup, 719; Am. Golden-eye, 316; Buffle-head, 541; Old-squaw, 45; White-winged Scoter, 335; Surf Scoter, 5; Am. Scoter, 27; Hooded Merganser, 9; Am. Merganser, 220; Red-breasted Merganser, 96; Red-shouldered Hawk, 1; Sparrow Hawk, 13; Ring-necked Pheasant, 1; **Virginia Rail,** 1 (J.K.); Am. Coot, 40; Killdeer, 5; Purple Sandpiper, 51; Great Black-backed Gull, 94; Herring Gull, 2516; Ring-billed Gull, 12; Bonaparte's Gull, 53; Screech Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 20; Horned Lark (Northern), 2; Blue Jay, 60; Am. Crow, 129; Black-capped Chickadee, 153; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 2; Brown Thrasher, 1; Am. Robin, 2; Eastern Bluebird, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 27; Common Starling, 535; Myrtle Warbler, 36; House Sparrow, 327; Purple Finch, 12; Common Redpoll, 6; Pine Siskin, 1; Am. Goldfinch, 108; Eastern Towhee, 5; Slate-colored Junco, 102; Am. Tree Sparrow, 128; White-throated Sparrow, 12; Swamp Sparrow, 5; Song Sparrow, 30. **Total,** 63 species; 8948 individuals.—Lee Jameson (compiler), Alan Goodridge, Paul Larcom, Bertram Leadbeater, John Walsh, Lillian Walsh, Leslie Little, Bertha Davis, Margaret Fowler, Alice Hanson, Mrs. Joseph Hines, Ellen Riggs, Mr. and Mrs. Arthur Argue, James Kelley, Mr. and Mrs. Leland Strickland, Mrs. Daisy Searle, Eleanor Barry, Eleanor King, Mrs. Frank Boot, Donald Strickland, Edward Clinch, Robert Coffin (Brookline Bird Club).

49. Newburyport, Mass. (same territory as last 14 years).—Dec. 27; 5 a.m. to 7:30 p.m. Clear; temp. 20° to 35°; wind NW, 5-15 m.p.h.; ground bare; ponds partly frozen. Thirty-four observers in 7 parties. Total party-hours, 65 (12 on foot, 53 by car); total party-miles, 260 (15 on foot, 245 by car). Common Loon, 15; Red-throated Loon, 16; Red-necked Grebe, 2; Horned Grebe, 149; Pied-billed Grebe, 1; Gannet, 24; European Cormorant, 2; Canada Goose, 250; Snow Goose, 2; Mallard, 21; Black Duck, 1079; Pintail, 13; Green-winged Teal, 5; Greater Scaup, 368; Am. Golden-eye, 350; Buffle-head, 212; Old-squaw, 270; White-winged Scoter, 98; Ruddy Duck, 1; Hooded Merganser, 2; Am. Merganser, 12; Red-breasted Merganser, 163; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 10; Ruffed Grouse, 2; Ring-necked Pheasant, 19; Virginia Rail, 1 (R.K.); Killdeer, 1; Purple Sandpiper, 3; Red-backed Sandpiper, 32; Iceland Gull (Kumlien's), 1; Great Black-backed Gull, 35; Herring Gull, 2690; Ring-billed Gull, 14; Bonaparte's Gull, 308; Mourning Dove, 1; Screech Owl, 3; Snowy Owl, 4; Long-eared Owl, 1; Saw-whet Owl, 1; Yellow-shafted Flicker, 10; Hairy Woodpecker, 16; Downy Woodpecker, 47; Horned Lark, 2; Blue Jay, 110; Am. Crow, 318; Black-capped Chickadee, 443; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 1; Brown Creeper, 10; Winter Wren, 1; Mockingbird, 1; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 45; Gray Shrike, 1; Common Starling, 5170; Myrtle Warbler, 184; **Pine Warbler,** 2 (E.E.B.); House Sparrow, 617; Eastern Meadowlark, 3; **Baltimore Oriole,** 1 (at a feeding station—Mrs. deWindt); Purple Grackle (Bronzed), 1; Brown-headed Cowbird, 6; **Dickcissel,** 2 (A.M., L.G., Dr. and Mrs. S.M.); Purple Finch, 49; Am. Goldfinch, 122; Eastern Towhee, 3; Ipswich Sparrow, 1; Savannah Sparrow, 4; Slate-colored Junco, 316; Oregon Junco, 1 (at a feeding station—Dr. and Mrs. S.M.); Am. Tree Sparrow, 248; White-throated Sparrow, 23; Swamp Sparrow, 7; Song Sparrow, 11; Lapland Longspur, 41; Snow Bunting, 12. **Total,** 83 species; 14,055 individuals. —Mr. and Mrs. D. C. Alexander, Mr. and Mrs. Arthur Argue, Mr. and Mrs. Thomas Banes, Eleanor E. Barry, Charles Chang, W. J. Crawford, Katherine Curtis, Dr. W. Davis and son, Clara deWindt, Samuel A. Eliot, Frances Elkins, Ruth Emery, Mr. and Mrs. Elmer Foye, Ludlow Griscom, Dr. S. K. Harris, Richard Kleberer, Dr. and Mrs. S. Maddock, Allen Morgan, E. Nightingale, Robert Paine, Mr. and Mrs. H. L. Strickland, Donald Strickland, Emily Reed, Mr. and Mrs. Jack Walsh, Karl Zerbe, E. Stanwood.

50. Northampton, Mass. (same circle as in last 19 years).—Dec. 26; 6 a.m. to 4:30 p.m. Fair, hazing over in p.m.; temp. 29° to 24°; wind S, 5-10 m.p.h.; ground bare, river high with much ice floating. Fifty-six observers (27 near their homes, 29 afield in 19 parties, 14 with cars, 5 on foot). Canada Goose, 38 (1 flock, flying north); Mallard, 24; Black Duck, 500+; Pintail, 1♂; Am. Golden-eye, 33; Hooded Merganser, 5; Am. Merganser, 180+; Red-breasted Merganser, 1♀ (D.H.C.); Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 14; Ruffed Grouse, 10; Ring-necked Pheasant, 42; Killdeer, 3; Wilson's Snipe, 1; Herring Gull, 90±; Ring-billed Gull, 18; Mourning Dove, 12; Horned Owl, 5; Belted Kingfisher, 4; Pileated Woodpecker, 8; Hairy Woodpecker, 37; Downy Woodpecker, 72; Horned Lark, 230± (including 2 Hoyt's, carefully compared with the Northerns—G.A.W.); Blue Jay, 188; Am. Crow, 650±; Black-capped Chickadee, 490±; White-breasted Nuthatch, 81; Red-breasted Nuthatch, 3; Brown Creeper, 15; Winter Wren, 3; Carolina Wren, 3; Am. Robin, 10; Golden-crowned Kinglet, 62; Cedar Waxwing, 85 (2 flocks); Gray Shrike, 2; Loggerhead Shrike, 1 (L.M.B., W.B.N.; and a fourth shrike reported as Loggerhead); Common Starling, 1780±; House Sparrow, 1240±; Red-winged Blackbird, 7; Brown-headed Cowbird, 14; Cardinal, 1♀ (regular in Amherst since Nov. 12); Evening Grosbeak, 43; Purple Finch, 25; Common Redpoll, 5; Am. Goldfinch, 290±; Eastern Towhee, 1♂ (regular in Easthampton since Nov. 26); Slate-colored Junco, 400±; Am. Tree Sparrow, 775±;

Field Sparrow, 5; **White-crowned Sparrow,** 1 (adult, regular in Florence since late fall); White-throated Sparrow, 6; Swamp Sparrow, 8; Song Sparrow, 45; Lapland Longspur, 11+. **Total,** 59 species (1 additional subspecies); 7583± individuals. (Just outside the circle: Bluebird, 5; Chipping Sparrow, 1. Seen during period: Red-shouldered Hawk, 1; Mockingbird, 1; Fox Sparrow, 1.)—Mrs. Paul Adams, Mrs. Howard Alcorn, J. L. Bagg, Mrs. Malcolm Bagg, Mrs. Theodore Baird, L. M. Bartlett, Mrs. R. A. Beebe, Mrs. C. E. Billings, Elizabeth Boyd, Alma Brown, E. J. Burt, J. E. Cavanagh, Jr., R. M. Clark, E. H. Cotton, D. H. Crompton, Mrs. M. A. Dickinson, Mr. and Mrs. R. W. Fessenden, O. S. Flint, Jr., R. F. French, Fanny Glazier, D. L. and J. P. Graves, Cora B. Grover, Mrs. W. S. Hawley, Mrs. Joseph Hobbs, Wayne Holdsman, Elizabeth W. Hooker, Mrs. D. M. Howland, Raymond Johnston, Mrs. Harry Kidger, Mrs. L. E. King, David Klimoski, J. J. Madeira, Mrs. Wm. Millette, Mrs. C. H. Morgan, Edward Norman, W. B. Nutting, Esther J. Pollard, Mary T. Pomeroy, Mr. and Mrs. D. A. Riedel, Mr. and Mrs. F. A. Saunders, Jane Ann Scott, E. A. Snow, Mr. and Mrs. E. C. Staples, Miss L. Stevenson, Mrs. H. L. Sweetman, W. R. Torrey, Mrs. E. Warner, G. A. Weeks, Mrs. R. B. Whitney, Mrs. Paul Williams, Charles Yegian.

51. Pittsfield, Mass. (7½-mile radius from center of city, to edge of October Mt. Reservation on east, to Richmond Pond and Brielman's Swamp on south, Onota Lake on west, Berkshire on north; mixed woods 25%, open fields 25%, ponds and swamps 15%, city streets 10%, country roads 25%).—Dec. 26; 7:30 a.m. to 3:30 p.m. Partly cloudy; temp. 29° to 36°; wind S, 3-15 m.p.h.; no snow; Pontoosuc, Berkshire frozen, other lakes and streams largely open. Seventeen observers in 4 parties. Total party-hours, 23 (17 on foot, 6 by car); total party-miles, 59 (9 on foot, 50 by car). Black Duck, 4; Greater Scaup, 1; Am. Golden-eye, 2; Bufflehead, 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; unidentified hawk, 1; Ruffed Grouse, 1; Am. Coot, 2; Herring Gull, 1; Belted Kingfisher, 1; Hairy Woodpecker, 4; Downy Woodpecker, 6; Am. Crow, 29; Black-capped Chickadee, 55+; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 13; Common Starling, 365+; House Sparrow, 340+; **Dickcissel,** 1 (present all month); Evening Grosbeak, 20; Purple Finch, 1; Pine Siskin, 30; Am. Goldfinch, 72+; Slate-colored Junco, 12; Am. Tree Sparrow, 8. **Total,** 27 species; 994+ individuals.—Edwin Allen, Jr., Michael Cleary, Michael Coughlin, Neil Currie, Edna Dunbar, Tom Giddings, John Henderson, Bartlett Hendricks, Mrs. J. E. Keith, Edward Kopf, Jr., Lochinvar Larkin, Mrs. D. D. MacCarthy, William Noble, Paul O'Gara, Jack O'Gara, Gene Scott, David Walsh (Hoffmann Bird Club).

52. Quincy, Mass. (Squantum, Moon Island, Wollaston, Milton, Braintree, Hingham, Hull; shore 60%, salt marsh 10%, open woods and park 25%, residential 5%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 32° to 45°; wind NW, 2-10 m.p.h.; ground bare; fresh water unfrozen. Ten observers in 3 parties. Total party-hours, 26 (18 on foot, 8 by car); total party-miles, 148 (13 on foot, 135 by car). Common Loon, 9; Red-throated Loon, 19; Horned Grebe, 16; **Pied-billed Grebe,** 3; **Gannet,** 1; European Cormorant, 163; Great Blue Heron, 2; Black-crowned Night Heron, 50; Mallard, 2; Black Duck, 1010; **Shoveller,** 2; Greater Scaup, 6290; Am. Golden-eye, 1815; Buffle-head, 269; Old-squaw, 4;White-winged Scoter, 304; Surf Scoter, 5; Am. Scoter, 8; **Ruddy Duck,** 2; Am. Merganser, 3; Red-breasted Merganser, 1790; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 9; **Virginia Rail,** 1; Killdeer, 7; **Black-bellied Plover,** 4; **Ruddy Turnstone,** 4 [no details—Ed.]; **Am. Woodcock,** 1 [no details—Ed.]; Purple Sandpiper, 37; Red-backed Sandpiper, 42; Sanderling, 7; Iceland Gull, 1; Great Black-backed Gull, 142; Herring Gull, 25,000 (estimate made during late p.m. flight past Pt. Allerton, Hull; spot counts of number flying by per minute were taken every 10 minutes); Ring-billed Gull, 16; Bonaparte's Gull, 6; Razor-billed Auk, 1; Snowy Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 38; Blue Jay, 37; Am. Crow, 60; Black-capped Chickadee, 197; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 8; **Ruby-crowned Kinglet,** 1; Cedar Waxwing, 51; Common Starling, 50,000 (est.); **Orange-crowned Warbler,** 1 [no details—Ed.]; Myrtle Warbler, 19; House Sparrow, 291; Eastern Meadowlark, 23; Purple Finch, 16; Am. Goldfinch, 25; **Eastern Towhee,** 1; Savannah Sparrow, 12; Slate-colored Junco, 79; Am. Tree Sparrow, 50; White-throated Sparrow, 10; Swamp Sparrow, 15; Song Sparrow, 41; **Lapland Longspur,** 40. **Total,** 71 species; about 88,103 individuals. (Seen in area Dec. 30: Canvas-back, 1.) Species set in boldface type have not previously been recorded on this count.—R. Emery, R. Fox, R. K. Higginbotham (compiler), S. Higginbotham, J. Howland, L. Lee, J. O'Regan, B. Ulman, J. Ulman, G. Wilson.

53. Ware, Mass. (east to Hardwick, Warren, and West Brookfield, south on Ware River to Palmer Airport, north along Muddy Brook to Hardwick Pond, and west to lower Quabbin Reservoir and watershed; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watersheds 40%).—Dec. 27; 7 a.m. to 4 p.m. Clear; temp. 30° to 34°; wind NW, 5-20 m.p.h.; ground bare; reservoir open, ponds frozen, rivers and brooks open. Sixteen observers in 6 parties. Total party-hours, 49 (31 on foot, 18 by car); total party-miles, 71 (56 on foot, 15 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Mallard, 24; Black Duck, 855; Am. Golden-eye, 15; Hooded Merganser, 2; Am. Merganser, 485; Red-tailed Hawk, 1; Bald Eagle, 3; Sparrow Hawk, 1; Ruffed Grouse, 36; Ring-necked Pheasant, 2; Herring Gull, 32; Horned Owl, 3;

Hairy Woodpecker, 4; Downy Woodpecker, 19; Blue Jay, 82; Am. Crow, 99; Black-capped Chickadee, 101; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 62; Common Starling, 1250±; House Sparrow, 140; Purple Finch, 11; Am. Goldfinch, 59; Slate-colored Junco, 93; Am. Tree Sparrow, 103; Song Sparrow, 5; Snow Bunting, 30. **Total,** 33 species; 3531± individuals. —L. G. Albertine, L. G. Albertine, Jr., M. E. Albertine, S. T. Berube, W. H. Berube, L. A. Campbell, L. M. Campbell, D. D. Conkey, J. H. Conkey (compiler), M. S. Descoteaux, N. A. Descoteaux, M. D. Granger, L. R. Marland, D. McPhetres, G. McPhetres, W. Richardson (Quabbin Bird Club).

54. Wellesley, Mass. (2-mile radius, all included within township of Wellesley; suburbs 70%, woodland [deciduous] 10%, grassy fields and farmland 10%, wet woodland and marsh 5%, lake, river, ponds, brooks 5%).—Dec. 31; 8 a.m. to 3 p.m. Clear; temp. 20° to 30°; wind NW, 15 m.p.h.; ground bare; ponds frozen except for part of Lake Waban and Charles River, small brooks open. Twenty observers in 4 parties. Total party-hours, 120 (100 on foot, 20 by car); total party-miles, 150 (100 on foot, 50 by car). Pied-billed Grebe, 1; Mallard, 10; Black Duck, 20; Hooded Merganser, 1; Am. Merganser, 12; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 3; Herring Gull, 21; Mourning Dove, 19; Screech Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 40; Am. Crow, 42; Black-capped Chickadee, 129; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 2; Brown Creeper, 4; Golden-crowned Kinglet, 21; Cedar Waxwing, 113; Common Starling, 363; House Sparrow, 319; Purple Finch, 1; Pine Grosbeak, 1; Am. Goldfinch, 52; Savannah Sparrow, 1; Slate-colored Junco, 245; Am. Tree Sparrow, 66; White-throated Sparrow, 12; Swamp Sparrow, 6; Song Sparrow, 18. **Total,** 33 species; 1557 individuals.—J. White, S. Baker, B. Earle, B. Hellmann, D. Burke, S. Dunphy, B. Bissett, C. Porter, S. Smith, D. James, M. Leahy, V. Sleigh, B. Dunphy, E. Cleveland, M. Greene, K. Hamilton. H. Parker, M. Gardler, D. Hale, D. Sands, (compiler).

55. Newport County, R. I., and Westport, Mass. (same as last 4 years, except no boat trip).—Dec. 27; 6:45 a.m. to 5:15 p.m. Clear; temp. 30° to 40°; wind W, 25 m.p.h.; ground bare; inland ponds closed by ice, coastal ponds partly open. Thirty-two observers in 8 parties. Total party-hours, 84 (47 on foot, 37 by car); total party-miles, 361 (106 on foot, 255 by car). Common Loon, 44; Red-throated Loon, 38; Horned Grebe, 131; Pied-billed Grebe, 40; Gannet, 4; European Cormorant, 315; **Double-crested Cormorant,** 1 (W.H.D.); Great Blue Heron, 11; Black-crowned Night Heron, 20; Am. Bittern, 1; Mute Swan, 29; Canada Goose, 219; Snow Goose, 2; Mallard, 38; Black Duck, 1247; Gadwall, 4; Am. Widgeon, 102; Pintail, 98; Green-winged Teal, 37; Shoveller, 10; Wood Duck, 3; Redhead, 114; Canvas-back, 11; Greater Scaup, 1487; Lesser Scaup, 10; Am. Golden-eye, 784; Buffle-head, 164; Old-squaw, 3; Common Eider, 22; King Eider, 1; White-winged Scoter, 495; Surf Scoter, 117; Am. Scoter, 39; Ruddy Duck, 39; Hooded Merganser, 6; Am. Merganser, 26; Red-breasted Merganser, 268; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 11; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 19; Peregrine Falcon, 2; **Pigeon Hawk,** 1 (well seen, even from above—C. Wood, *et al.*); Sparrow Hawk, 36; Bob-white, 21; Ring-necked Pheasant, 15; Virginia Rail, 3; Am. Coot, 846; Killdeer, 10; Black-bellied Plover, 7; Am. Woodcock, 1; Wilson's Snipe, 11; Greater Yellow-legs, 5; **Lesser Yellow-legs,** 1 (at close range; sitting, flying, and calling—R.C.C.); Purple Sandpiper, 120; **Least Sandpiper,** 1 (W.H.D.); Red-backed Sandpiper, 246; Sanderling, 13; Glaucous Gull, 1; Iceland Gull, 1; Great Black-backed Gull, 75; Herring Gull, 3245; Ring-billed Gull, 125; Bonaparte's Gull, 547; Mourning Dove, 276; Barn Owl, 1; Screech Owl, 4; Horned Owl, 5; Snowy Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 108; Hairy Woodpecker, 8; Downy Woodpecker, 43; Eastern Phoebe, 1; Horned Lark, 315; Blue Jay, 89; Am. Crow, 1452; Black-capped Chickadee, 254; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 7; **House Wren,** 2 (W.H.D.); Winter Wren, 7; Carolina Wren, 15; Long-billed Marsh Wren, 12; Mockingbird, 3; Catbird, 11; Brown Thrasher, 4; Am. Robin, 152; Hermit Thrush, 8; Eastern Bluebird, 34; Golden-crowned Kinglet, 84; **Ruby-crowned Kinglet,** 1 (H.E.C.); Water Pipit, 1; Cedar Waxwing, 13; Gray Shrike, 1; Loggerhead Shrike, 6; Common Starling, 5390; **Orange-crowned Warbler,** 2 (R.A.G.); Myrtle Warbler, 1775; Palm Warbler, 23; **Common Yellow-throat,** 10 (H.M.P., D.L.E., W.H.D., all separately); **Yellow-breasted Chat,** 4 (present all month near feeding stations — W.B.D., D.L.E., C.W.); House Sparrow, 556; Eastern Meadowlark, 279; Red-winged Blackbird, 9; Purple Grackle, 7; Brown-headed Cowbird, 101; **Dickcissel,** 6 (at feeding stations since at least Nov.—W.B.D.; at least 12 birds located in R. I. at the time); Purple Finch, 43; Pine Siskin, 5; Am. Goldfinch, 140; Eastern Towhee, 11; Ipswich Sparrow, 3; Savannah Sparrow, 124; Sharp-tailed Sparrow, 1; Vesper Sparrow, 69; Slate-colored Junco, 188; Am. Tree Sparrow, 566; Field Sparrow, 23; White-throated Sparrow, 411; Fox Sparrow, 5; Swamp Sparrow, 94; Song Sparrow, 254; Lapland Longspur, 2; Snow Bunting, 30. **Total,** 131 species; 24,424 individuals.—R. H. Batchelder, R. Bowen, F. Bryant, H. E. Childs, R. C. Clement (compiler), T. M. Curry, Mrs. A. G. Davenport, E. G. Davis, W. B. Dean, J. H. Dearborn, W. H. Drury, Jr., Mrs. Drury, D. L. Emerson, R. Ferrin, C. C. Gardiner, H. J. Gates, R. A. Goodell, N. P. Hill, D. L. Kraus, R. Mazzeo, H. M. Parker, F. Perry, C. S. Petty, G. Rae, B. S. Ridgely, E. W. Stimets, Mr. Stone, G. F. Troy, E. G. Weeks, R. West, C. Wood, C. G. Wright.

56. South Kingstown, R. I. (same as last year).—Jan. 2; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 20° to 35°; wind NW to SW, 2-8 m.p.h.; ground bare; fresh-water ponds and marshes mostly frozen. Eleven observers in 2 parties. Total party-hours, 21 (14 on foot, 7 by car); total party-miles, 70 (10 on foot, 60 by car). Common Loon, 40; Red-throated Loon, 19; Red-necked Grebe, 1; Horned Grebe, 61; Pied-billed Grebe, 81; Gannet, 6; European Cormorant, 150; Great Blue Heron, 7; Am. Bittern, 1; Canada Goose, 57; Mallard, 21; Black Duck, 650; Am. Widgeon, 20; Redhead, 4; Ring-necked Duck, 12; Canvas-back, 131; Greater Scaup, 22; Lesser Scaup, 1; Am. Golden-eye, 283; Buffle-head, 33; Old-squaw, 3; White-winged Scoter, 116; Surf Scoter, 26; Am. Scoter, 21; Ruddy Duck, 12; Hooded Merganser, 4; Am. Merganser, 128; Red-breasted Merganser, 290; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 14; Bob-white, 1; Am. Coot, 7; Killdeer, 1; Wilson's Snipe, 3; Purple Sandpiper, 155; Great Black-backed Gull, 25; Herring Gull, 665; Ring-billed Gull, 42; Bonaparte's Gull, 37; Mourning Dove, 38; Snowy Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 16; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 275; Blue Jay, 56; Am. Crow, 36; Black-capped Chickadee, 105; White-breasted Nuthatch, 12; Brown Creeper, 1; Carolina Wren, 1; Long-billed Marsh Wren, 2; Mockingbird, 2; Catbird, 3; Brown Thrasher, 1; Am. Robin, 6; Hermit Thrush, 3; Eastern Bluebird, 8; Golden-crowned Kinglet, 4; **Ruby-crowned Kinglet,** 1 (D.L.K.); Loggerhead Shrike, 2; Common Starling, 450; Myrtle Warbler, 395; **Pine Warbler,** 1 (seen clearly in pitch pine scrub—D.L.K., J.B.P., R.N.F.); House Sparrow, 148; Eastern Meadowlark, 37; Red-winged Blackbird, 200; **oriole** (sp.?), 1 (seen at a feeder by D.L.K.; resembled an immature female Bullock's; underparts gray except for pale yellow throat and under-tail coverts); Purple Grackle, 2; Brown-headed Cowbird, 22; Purple Finch, 27; Pine Siskin, 30; Am. Goldfinch, 14; Eastern Towhee, 2; Ipswich Sparrow, 1; Savannah Sparrow, 10; Vesper Sparrow, 10; Slate-colored Junco, 120; Am. Tree Sparrow, 205; Field Sparrow, 17; White-throated Sparrow, 56; Swamp Sparrow, 17; Song Sparrow, 48; Snow Bunting, 30. **Total,** 89 species; 5593 individuals. (Seen Jan. 1: Dovekie, 1; Gray Shrike, 1; Fox Sparrow, 2. A Baltimore Oriole was seen on day of count, but not by one of participants; had been coming to a feeder for more than a month; after subsequent heavy snow, it was picked up alive, but later died; identification verified by D.L.K.)—Mabelle G. Davenport, Eleanor K. Dearborn, Raymond N. Finelli, Jr., Mr. and Mrs. J. Herman Gates, Douglas L. Kraus (compiler), Evelyn G. Parker, James B. Peabody, Frances Perry, Gladys Segar, Elisabeth G. Weeks (members, Little Rest Bird Club).

57. Hartford, Conn. (7½-mile radius centering at Old State House, same area as last year).—Dec. 26; 5 a.m. to 6 p.m. Clear in a.m., cloudy in p.m.; temp. 22° to 42°. Fifty-four observers in 29 parties. Total party-hours, 132½ (101 on foot, 31½ by car); total party-miles, 406 (87 on foot, 319 by car). Pied-billed Grebe, 2; Black-crowned Night Heron, 4; Canada Goose, 13; Mallard, 43; Black Duck, 367; Am. Golden-eye, 12; Ruddy Duck, 3; Am. Merganser, 174; Cooper's Hawk, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 7; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 30; Ruffed Grouse, 3; Bob-white, 2; Ring-necked Pheasant, 23; Virginia Rail, 1 (R. Goodell, Jr.); Killdeer, 7; Great Black-backed Gull, 4; Herring Gull, 174; Ring-billed Gull, 436; Mourning Dove, 209; Barn Owl, 1; Screech Owl, 6; Horned Owl, 4; Barred Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 24; Pileated Woodpecker, 1; Hairy Woodpecker, 34; Downy Woodpecker, 137; **Horned Lark,** 1172; Blue Jay, 470; Am. Crow, 4016; Black-capped Chickadee, 526; Tufted Titmouse, 8; White-breasted Nuthatch, 108; Red-breasted Nuthatch, 1; Brown Creeper, 18; Winter Wren, 4; Long-billed Marsh Wren, 1 (R. Goodell, Jr.); Mockingbird, 1; Am. Robin, 8; Hermit Thrush, 1; Eastern Bluebird, 38; Golden-crowned Kinglet, 85; Ruby-crowned Kinglet, 8; Cedar Waxwing, 34; Gray Shrike, 3; Loggerhead Shrike, 2; Common Starling, 4948; **Yellow-breasted Chat,** 1 (at feeder—Mrs. R.E.K.); Myrtle Warbler, 72; House Sparrow, 865; Eastern Meadowlark, 74; Red-winged Blackbird, 194; Purple Grackle, 12; Brown-headed Cowbird, 188; **Dickcissel,** 1 (at feeder since Dec. 19—Mrs. H.F.A.); Purple Finch, 158; Pine Siskin, 15; Am. Goldfinch, 561; Eastern Towhee, 1; Savannah Sparrow, 33; Vesper Sparrow, 1; Slate-colored Junco, 948; Am. Tree Sparrow, 1769; Field Sparrow, 22; White-throated Sparrow, 232; Fox Sparrow, 9; Swamp Sparrow, 56; Song Sparrow, 236; **Lapland Longspur,** 82 (7+75; larger flock a conservative estimate in a flock of probably 1000 Horned Larks; counting birds between rows of corn stubble, it was estimated that about 1 out of 10 was a longspur—P.F.). **Total,** 75 species; about 18,718 individuals. (Seen in area Dec. 27: Cardinal, 2.)—Mrs. Hilda F. Amidon, Mrs. Raymond Arnold, Mr. and Mrs. H. F. Austin, Mrs. W. A. Ball, Theodore Beach, Mrs. Howard Beardsley, Mr. and Mrs. Robert F. Belden, Mr. and Mrs. E. A. Bergstrom, Lucy and Nancy Bergstrom, Walter Charsky, Joslin Deeks, Leo Des Jardins, Mrs. Carl E. Emerson, Percy E. Fellow, Mr. and Mrs. Leonard I. French, Mrs. Robert Goodell, Robert, Jr. and Sherman Goodell, Gladys F. and Mrs. Leslie T. Goodrich, Mrs. E. J. Guck, Dulcena Hyson, Mrs. Robert E. Keefe, Marion Loveland, Mrs. Robert MacKesson, Anna E. Marsh, Mrs. Dorothy C. Martyn, Mrs. E. V. Mitchell, Harry Parker, G. Hapgood Parks, Doris M. Purinton, Fred Ranzoni, Mrs. Thomas B. Rhines, Mrs. Robert J. Risley, Paul W. Schaefer, Victoria Schuetz, Anna E. Scudder, Thomas Shires, Mrs. Ray C. Simmons, Mrs. Percival Stark, Mahmud Thamer, Mrs. Paul Twaddle, Mrs. T. Blake Utley, Tertius Van Dyke, Mrs. I. B. Wasson, Nancy West, Lee Jay Whittles, James Lee Woodson, John Wright.

58. New Haven, Conn. (same area as in other year's, including Long Island Sound from Branford to West Haven, north to Mount Carmel and Bethany: shore and Sound 30%, upland woods 24%, bottomland woods 16%, fields 12%, ponds 8%, fresh-water marsh 5%, salt marsh 5%).—Dec. 27; 6:15 a.m. to 5 p.m. Clear; temp. 30° to 39°; wind W and SW, 10-14 m.p.h.; ground bare; ponds open. Eight observers in 4 parties. Total party-hours, 36 (24 on foot, 12 by car); total party-miles, 130 (22 on foot, 108 by car). Red-throated Loon, 12; Horned Grebe, 36; Pied-billed Grebe, 8; cormorant, 1 (sp. ?); Great Blue Heron, 1; Mallard, 34; Black Duck, 1916; Am. Widgeon, 279; Pintail, 11; Green-winged Teal, 1; Shoveller, 1; Redhead, 8; Ring-necked Duck, 19; Canvas-back, 6; scaup, 5074 (about two-thirds of the individuals identified were Greater; one-third, Lesser); Am. Golden-eye, 123; Buffle-head, 27; Old-squaw, 20; White-winged Scoter, 18; Am. Scoter, 1; Ruddy Duck, 23; Hooded Merganser, 4; Am. Merganser, 89; Red-breasted Merganser, 26; Goshawk, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Osprey, 1 [no details—Ed.]; Sparrow Hawk, 1; Ruffed Grouse, 1; Killdeer, 9; Great Black-backed Gull, 6; Herring Gull, 853; Ring-billed Gull, 236; Bonaparte's Gull, 425; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 12; Blue Jay, 41; Am. Crow, 437; Black-capped Chickadee, 73; Tufted Titmouse, 3; White-breasted Nuthatch, 9; Brown Creeper, 5; Winter Wren, 1; Am. Robin, 1; Eastern Bluebird, 31; Golden-crowned Kinglet, 22; Common Starling, 319; Myrtle Warbler, 67; House Sparrow, 214; Eastern Meadowlark, 1; Red-winged Blackbird, 34; Purple Grackle, 4; Purple Finch, 25; Am. Goldfinch, 121; Slate-colored Junco, 76; Am. Tree Sparrow, 74; Field Sparrow, 2; White-throated Sparrow, 25; Swamp Sparrow, 27; Song Sparrow, 33; Snow Bunting, 10. **Total,** 70 species; 10,962 individuals.—I. R. Barnes, A. R. Bellinger, H. and P. Bunting, Mrs. W. Dunham, S. A. Galpin, C. E. Huntington, E. Stephenson.

59. New London, Conn. (Long Island Sound shore from Mystic to Old Lyme, including Niantic and Thames Rivers; Noank, Groton, New London, Waterford and Niantic).—Dec. 27; 7:10 a.m. to 4 p.m. Bright and clear; temp. 28° to 40°; wind SW to N, 1-16 m.p.h.; ground bare; fresh-water streams partly frozen. Fourteen observers in 9 parties. Total party-hours, 85 (64 on foot, 21 by car); total party-miles, 171 (53 on foot, 118 by car). Common Loon, 3; Red-throated Loon, 11; Horned Grebe, 113; Pied-billed Grebe, 6; cormorant (sp.), 2; Great Blue Heron, 13; Black-crowned Night Heron, 1; Mute Swan, 17; Canada Goose, 146; Am. Brant, 2; Mallard, 79; Black Duck, 1507; Am. Widgeon, 4; Green-winged Teal, 5; Greater Scaup, 140; Lesser Scaup, 1; Am. Golden-eye, 144; Barrow's Golden-eye, 2 (P.W.); Buffle-head, 253; White-winged Scoter, 36; Surf Scoter, 57; Am. Scoter, 5; Am. Merganser, 55; Red-breasted Merganser, 174; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 2; Killdeer, 10; Greater Yellow-legs, 1; Purple Sandpiper, 10; Great Black-backed Gull, 28; Herring Gull. 945; Ring-billed Gull, 114; Bonaparte's Gull, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 8; Tree Swallow, 3 (B.R.K., R.F.L.); Blue Jay, 23; Am. Crow, 71; Fish Crow, 1; Black-capped Chickadee, 47; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 1; Eastern Bluebird, 28; Blue-gray Gnatcatcher, 1 (clearly seen and heard within 20 yds.—B.R.K., R.F.L.) [no further details—Ed.]; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 19; Common Starling, 445; Myrtle Warbler, 76; Pine Warbler, 2 (B.R.K., R.F.L.); Palm Warbler, 1; House Sparrow, 107; Eastern Meadowlark, 12; Red-winged Blackbird, 178; Rusty Blackbird, 175; Purple Grackle, 500+; Brown-headed Cowbird, 5; Cardinal, 2; Dickcissel, 1 (a winter resident at Mystic; seen by many observers); Evening Grosbeak, 11; Purple Finch, 2; Am. Goldfinch, 3; Eastern Towhee, 4; Sharp-tailed Sparrow, 3; Slate-colored Junco, 73; Am. Tree Sparrow, 13; Field Sparrow, 2; White-throated Sparrow, 54; Song Sparrow, 15; Snow Bunting, 2. **Total,** 77 species; about 5810 individuals.—Belton Copp, Dr. R. H. Goodwin, Dicko Goodwin, B. R. Keenan, Mrs. F. J. Kohl, R. F. Logan (compiler), T. P. McElroy, Mrs. John Merrill, W. L. Miner, Jr., M. W. Peterson, Mrs. Jack Rosenthal, Judge and Mrs. T. E. Troland, Paul Waldron, Mrs. Hugo Zimmer.

60. Oxford, Conn. (Quaker Farms to Stevenson Dam, down the Housatonic to Squantuck, corner Routes 34 and 188, and back over Rockhouse Hill; brush land 60%, woodland 15%, open land 5%, river shore 15%, suburban 5%).—Dec. 27; 7:15 a.m. to 4:45 p.m. Clear; ground bare; temp. 28° to 26°; wind W to N, 0-20 m.p.h.; all ponds frozen, rivers and brooks open. One observer. Total hours, 9½ (on foot); total miles, 16 (on foot). Black Duck, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 4; Herring Gull, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 15; Am. Crow, 28; Black-capped Chickadee, 73; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 2; Am. Robin, 2; Hermit Thrush, 3; Golden-crowned Kinglet, 38; **Ruby-crowned Kinglet,** 3; Common Starling, 6; Myrtle Warbler, 140; House Sparrow, 56; Purple Finch, 7; Am. Goldfinch, 43; Slate-colored Junco, 120; Am. Tree Sparrow, 33; Field Sparrow, 1; White-throated Sparrow, 2; Song Sparrow, 15. **Total,** 30 species; 625 individuals.—Alfred P. Harger.

61. Saybrook, Conn. (same area as in earlier years, including Long Island Sound from Old Lyme to Hammonassett Park, north to Chester and Hadlyme Ferry; shore and Sound and estuaries 30%, upland woods 18%, bottomland woods 12%, fields 18%, fresh-water marsh 9%, salt marsh 9%, ponds

4%).—Dec. 26; 6 a.m. to 4:30 p.m. Clear; temp. 28° to 36°; wind WSW, 12 m.p.h.; ground bare; skin of ice on quiet waters. Eight observers in 3 parties until 1:20 p.m. and 1 party thereafter. Total party-hours, 28½ (22½ on foot, 6 by car); total party-miles, 103 (13 on foot, 90 by car). Common Loon, 2; Red-throated Loon, 19; Horned Grebe, 33; Pied-billed Grebe, 8; Great Blue Heron, 1; Mallard, 12; Black Duck, 137; Am. Widgeon, 2; Pintail, 82; scaup, 205 (about three-quarters of those individuals identified were Greater: one-quarter, Lesser); Am. Golden-eye, 75; Buffle-head, 18; Old-squaw, 14; White-winged Scoter, 57; Surf Scoter, 48; Am. Scoter, 2; Ruddy Duck, 20; Am. Merganser, 110; Red-breasted Merganser, 57; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Am. Coot, 26; Killdeer, 13; Great Black-backed Gull 31; Herring Gull, 432; Ring-billed Gull, 224; Bonaparte's Gull, 90; Mourning Dove, 22; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 9; Horned Lark (Northern), 35; Blue Jay, 98; Am. Crow, 124; Black-capped Chickadee, 32; White-breasted Nuthatch, 11; Winter Wren, 2; Carolina Wren, 3; Mockingbird, 1; Am. Robin, 11; Hermit Thrush, 1; Eastern Bluebird, 12; Golden-crowned Kinglet, 8; Cedar Waxwing, 15; Common Starling, 580; Myrtle Warbler, 205; House Sparrow, 136; Eastern Meadowlark, 16; Rusty Blackbird, 1; Purple Grackle, 2; Purple Finch, 6; Am. Goldfinch, 85; Savannah Sparrow, 1; Slate-colored Junco, 71; Am. Tree Sparrow, 121; Field Sparrow, 1; White-throated Sparrow, 28; Swamp Sparrow, 25; Song Sparrow, 78. **Total,** 63 species; 3476 individuals. (Seen on Dec. 28: Cooper's Hawk, Snowy Owl.)—S. Ali, I. R. Barnes, R. Barnett, H. Bunting, J. Crooker, J. B. Goetsch, C. E. Huntington, E. Stephenson.

62. Waterbury, Conn. (same area as in previous years with addition of Waterbury Airport).—Dec. 26; 7:30 a.m. to 3:30 p.m. Clear till noon, then cloudy; temp. 25° to 45°; wind slight, 0-5 m.p.h.; snow absent, small ponds with 1-3-in. ice, sections of Woodtick, Chestnut Hill, and Lakewood reservoirs open. Ten observers in 7 parties. Total party-hours, 27 (19 on foot, 8 by car); total party-miles, 89 (14 on foot, 75 by car). Black Duck, 20; Ruffed Grouse, 1; Herring Gull, 12; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 56; Am. Crow, 17; Black-capped Chickadee, 97; White-breasted Nuthatch, 9; Winter Wren, 1; Catbird, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 1 [no details—Ed.]; Common Starling, 966; House Sparrow, 118; Eastern Meadowlark, 4; Purple Finch, 5; Pine Siskin, 8; Am. Goldfinch, 74; Slate-colored Junco, 168; Am. Tree Sparrow, 44; White-throated Sparrow, 5; Song Sparrow, 12. **Total,** 24 species; about 1663 individuals.—Mr. and Mrs. G. Cowperthwait, Mrs. C. B. Timberlake, Mrs. E. K. Slack, Mrs. A. R. Streeter (feeding stations); Miss E. B. Slack, Miss M. Yanikuny, Miss A. Zukauskas, W. Barrows and J. Mackiewicz (compiler) (Waterbury Naturalist Club, Inc.).

63. Westport, Conn. (and surrounding towns; area and percentages same as past 2 years).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 24° to 36°; wind SW, 5-25 m.p.h.; ground bare, small ponds frozen, larger ponds and reservoirs partially open. One hundred sixteen observers (43 in 18 parties and 73 at feeding stations). Total party-hours, 99½ (52 on foot, 42 by car, 2 by boat, 3½ on horseback); total party-miles, 309 (54 on foot, 241 by car, 11 on horseback, 2 by boat, 1 by bicycle). Common Loon, 11; Red-throated Loon, 5; Red-necked Grebe, 1; Horned Grebe, 90; Pied-billed Grebe, 3; European Cormorant, 13; Great Blue Heron, 11; Black-crowned Night Heron, 23; Mute Swan, 11; Mallard, 457; Black Duck, 1664; Green-winged Teal, 3; Greater Scaup, 8708; Am. Golden-eye, 104; Buffle-head, 176; Old-squaw, 767; White-winged Scoater, 478; Surf Scoter, 105; Am. Scoter, 202; Hooded Merganser, 9; Am. Merganser, 44; Red-breasted Merganser, 75; Sharp-shinned Hawk, 7; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 10; Ruffed Grouse, 5; Ring-necked Pheasant, 35; Clapper Rail, 2; Virginia Rail, 1 (F.N.); Am. Coot, 1; Killdeer, 82; Black-bellied Plover, 63; **Ruddy Turnstone,** 1 (seen before and after day of count—J.Y.); Am. Woodcock, 1; Greater Yellow-legs, 2 (Mrs. E.L.); Red-backed Sandpiper, 101; **Semipalmated Sandpiper,** 2 (M.O.); Great Black-backed Gull, 49; Herring Gull, 6505; Ring-billed Gull, 179; Bonaparte's Gull, 1; Mourning Dove, 168; Barn Owl, 2; Screech Owl, 2; Horned Owl, 1; Snowy Owl, 1; Barred Owl, 3; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 17; Pileated Woodpecker, 6; Hairy Woodpecker, 105; Downy Woodpecker, 204; Eastern Phoebe, 1; Horned Lark, 47 (including 10 with white eye-stripe); Blue Jay, 351; Am. Crow, 357; Fish Crow, 15; Black-capped Chickadee, 876; Tufted Titmouse, 45; White-breasted Nuthatch, 260; Red-breasted Nuthatch, 6; Brown Creeper, 36; Winter Wren, 6; **Carolina Wren,** 4 (2 seen near a swampy area, 2 at different feeders); Catbird, 2; Am. Robin, 18; Hermit Thrush, 4; Eastern Bluebird, 149; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 1; Water Pipit, 6; Cedar Waxwing, 27; Gray Shrike, 2; Common Starling, 1372; Myrtle Warbler, 93; **Yellow-breasted Chat,** 2 (at feeding stations—H.B.); House Sparrow, 660; Eastern Meadowlark, 113; Red-winged Blackbird, 8; Purple Grackle, 3; Brown-headed Cowbird, 100; Cardinal, 45; **Dickcissel,** 1 (present since Dec. 15; at a feeder—E.L.); Purple Finch, 123; Pine Grosbeak, 3; Common Redpoll, 8; Pine Siskin, 30; Am. Goldfinch, 237; Eastern Towhee, 8; **Ipswich Sparrow,** 1 (present in very limited area of Great Marsh; seen clearly, observed walking, and compared with nearby Savannah Sparrows—M.B., D.E.); Savannah Sparrow, 12; Sharp-tailed Sparrow, 2; Seaside Sparrow, 1; Slate-colored Junco, 1042; Am. Tree Sparrow, 429; Chipping Sparrow, 3 (feeding with Tree Sparrows); Field Sparrow, 21; **White-crowned Sparrow,** 1 (C.B.); White-throated Sparrow, 353; Fox Sparrow, 33; Swamp Sparrow, 15; Song Sparrow, 318; Snow

Bunting, 78. **Total,** 108 species (1 additional subspecies); 27,895 individuals. (Seen in area Dec. 27: Am. Bittern, 1; Evening Grosbeak, 1 ♂.)—Laura Allen, L. Bradley (compiler), C. Bartow, Alice Bristow, Helen Bristow, Mr. and Mrs. M. Brown, Mrs. H. Cherry, B. Cook, Dr. H. Coombs, L. Coombs, Mrs. G. Cutler, P. DeLaura, Dorcus Eason, B. Ficke, W. Fiero, Jr., Mrs. C. Gortner, Mr. and Mrs. S. Grierson, A. Harger, W. Jenkins, Mrs. P. Johnson, M. Klein, Mr. and Mrs. E. Leaycraft, R. Lemmon, H. Logan, Mrs. H. Long, Mrs. R. MacDonald, Mr. and Mrs. B. McGuckin, J. Malkin, Mrs. R. Meryweather, F. Novak, M. Oboiko, L. Pierson, Mrs. J. Roop, Mrs. E. Rover, P. Sauer, C. Spofford, Mrs. G. Weston, Anne Wolf, J. Young (Westport Audubon Society, with cooperation of New Canaan Bird Protective Society and Conn. Audubon Society).

64. **Atlantic Ocean off Long Island, N. Y.** (7-16 miles off Jones Beach; open ocean 100%).—Jan. 2; 9 a.m. to 3:30 p.m. Clear; temp. 35° to 42°; no wind; water extremely calm. Three observers in 1 party. Total hours, 6½ (by boat); total miles, 23 (by boat). Common Loon,1; Gannet, 126; Great Black-backed Gull, 8; Herring Gull, 254; Ring-billed Gull, 3; **Short-eared Owl,** 1 (seen at farthermost point from shore; in exhausted condition, it attempted to land on several boats).**Total,** 6 species; 393 individuals.—Henry Ryan, Marilynn Ryan, Richard Ryan.

65. **Brooklyn, N.Y.** (same as last year, area west of Cross Bay Blvd., including Rockaway peninsula; wooded city parks 30%, sheltered bay 25%, salt marsh 20%, open fields 20%, outer beach and ocean 5%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Fair, scattered clouds; temp. 34° to 42°; wind NW to SE, 4-14 m.p.h. Thirty-five observers in 9 parties. Total party-hours, 75 (70 on foot, 5 by car); total party-miles, 150 (120 on foot, 30 by car). Common Loon, 1; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 132; Pied-billed Grebe, 20; Gannet, 2; Great Blue Heron, 3; Black-crowned Night Heron, 27; Am. Bittern, 2; Am. Brant, 165; Mallard, 35; Black Duck, 853; Am. Widgeon, 75; Ring-necked Duck, 2; Greater Scaup, 3640; Lesser Scaup, 1; Am. Golden-eye, 89; Buffle-head, 18; Old-squaw, 4; White-winged Scoter, 1; Am. Scoter, 20; Ruddy Duck, 1; Red-breasted Merganser, 179; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 23; Clapper Rail, 7 (20 on Dec. 26 before marshes froze); Am. Coot, 1; **Ringed Plover,** 2 (present all fall at Raunt in Jamaica Bay—V.U., D.K.); Killdeer, 61; Black-bellied Plover, 48; Greater Yellow-legs, 2; Lesser Yellow-legs, 1 (present all fall at Raunt in Jamaica Bay—V.U., D.K.); Purple Sandpiper, 56; Red-backed Sandpiper, 155; **Dowitcher,** 2 (present all fall at Raunt in Jamaica Bay—V.U., D.K.); Semipalmated Sandpiper, 2 (at Gravesend—E.J.W.); Sanderling, 136; Great Black-backed Gull, 679; Herring Gull, 15,500 (7364±500, 8136); Ring-billed Gull, 1713; Laughing Gull, 1; Bonaparte's Gull, 1017; Mourning Dove, 40; Screech Owl, 1; Snowy Owl, 1; Short-eared Owl, 4; Yellow-shafted Flicker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 11; Horned Lark, 14; Blue Jay, 11; Am. Crow, 38; Fish Crow, 1 (carefully examined in Greenwood Cemetery, heard calling); Black-capped Chickadee, 6; White-breasted Nuthatch, 2; Long-billed Marsh Wren, 3; Mockingbird, 1; Am. Robin, 8; Hermit Thrush, 1; Water Pipit, 4; Cedar Waxwing, 1; Loggerhead Shrike, 2; Common Starling, 20,000 (est.); Myrtle Warbler, 78; Palm Warbler (Yellow), 5 (in phragmites near Sheepshead Bay —J. N., E.J.W.); House Sparrow, 4800 (est.); Eastern Meadowlark, 8; Red-winged Blackbird, 111; Purple Grackle, 6; Brown-headed Cowbird, 107; **Western Tanager,** 1 ("wintering" at Riis Park, seen and photographed by many observers); Cardinal, 1; Purple Finch, 3; House Finch, 1; Am. Goldfinch, 4; Savannah Sparrow, 110; Sharp-tailed Sparrow, 3; Seaside Sparrow, 1; Slate-colored Junco, 38; Am. Tree Sparrow, 157; Field Sparrow, 1; White-throated Sparrow, 26; Fox Sparrow, 12; Swamp Sparrow, 5; Song Sparrow, 102; Lapland Longspur, 2; Snow Bunting, 63. **Total,** 89 species; about 50,495 individuals. (Seen Dec. 26: Double-crested Cormorant, 5; Pigeon Hawk, 1 [a large ♀, Dyker Beach, "not a Peregrine, a perfect bird"—J. Soll and others]; Western Sandpiper, 1; Black-headed Gull, 1 [adult in winter plumage, all marks noted at 100 ft.—E.J.W. *et al.*]; Vesper Sparrow, 1; Am. Egret, 1 [flying past Riis Park over ocean—R. H. Grant, N.F.I.)—Mrs. Rebecca K. Becker, Mrs. Phyllis Busch, Mathews Cashman, Robert Clermont, Edwin Daly, Mr. and Mrs. Philip Ebersman, Nathan Ferbster, Milton Goldman, Rev. John Hanlon, Frank E. Horn, Katherine Keeley, David Kreissman, I. B. Laskowitz, Herman Myerdierks, Dr. Philip Moulton, Edmund McGovern, Joseph Nielsen, Maurice C. Noyes, Mrs. Irene Parks, Ernest Restivo, Henry Romano, Emanuel Rudolph, Lillian Scher, Arthur Schiffer, Henry Schiffer, Neal Smith, Jerome Soll, Esther K. Swayer, Victor Usin, Dr. Janet Watson, Bernard J. Weisner, Edw. J. Whelen, Audrey L. Wrede, Leonard Zeitz (Brooklyn Bird Club).

66. **Central Suffolk County, L.I., N.Y.** (15-mile circle centered south of Manorville and extending from Brookhaven to Westhampton, from Yaphank to Riverhead and from North Manorville to Moriches Inlet; deciduous woods 30%, cultivated fields 10%, overgrown fields 10%, fresh-water ponds and swamps 15%, bay and salt marsh 20%, outer beach and ocean 15%).—Jan. 1; 6:45 a.m. to 5 p.m. Overcast with light snow flurries in a.m. becoming partly cloudy in p.m.; temp. 22° to 43°; most smaller ponds frozen. Five observers in 3 parties. Total party-hours, 31 (20 on foot, 11 by car); total party-miles, 196 (29 on foot, 167 by car). Common Loon, 3; Red-throated Loon, 1; Horned Grebe, 13; Pied-billed Grebe, 26; Gannet, 14; European Cormorant, 1; Great Blue Heron, 7; Black-crowned Night Heron, 3; Mute Swan, 52; Canada Goose, 40; Mallard, 117; Black Duck, 3161 (3000±300, 161); Am. Widgeon, 12; Pintail, 6; Green-winged Teal, 3; Ring-necked Duck, 77; Greater Scaup, 66; Lesser Scaup, 10; Am. Golden-eye, 46; Buffle-head, 61; Old-squaw, 4; Surf Scoter, 1; Am. Scoter, 3; Ruddy Duck, 3; Hooded

Merganser, 5; Am. Merganser, 13; Red-breasted Merganser, 28; Cooper's Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 5; Ruffed Grouse, 1; Bob-white, 1; Virginia Rail, 3; Am. Coot, 35; **Piping Plover,** 1 (D.P., L.W.); Killdeer, 2; Black-bellied Plover, 2; Red-backed Sandpiper, 8; Sanderling, 4; Great Black-backed Gull, 16; Herring Gull, 482; Ring-billed Gull, 14; Mourning Dove, 20; Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 15; Eastern Phoebe, 1 (P.S., G.R.); Horned Lark (Northern), 18; Blue Jay, 86; Am. Crow, 52; Black-capped Chickadee, 60; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 1; Long-billed Marsh Wren, 6; Catbird, 2; Brown Thrasher, 2; Am. Robin, 4; Eastern Bluebird, 1; Golden-crowned Kinglet, 7; Common Starling, 6582 (6000, 582); Myrtle Warbler, 48; **Pine Warbler,** 1 (well observed and all identification marks noted, as well as characteristic feeding actions in the top of a pine—G.R.); House Sparrow, 191; Eastern Meadowlark, 27; Red-winged Blackbird, 126; Rusty Blackbird, 4; Purple Grackle, 18; Brown-headed Cowbird, 63; Pine Siskin, 3; Am. Goldfinch, 29; Eastern Towhee, 2; Ipswich Sparrow, 1; Savannah Sparrow, 9; Seaside Sparrow, 1 (D.P.); Vesper Sparrow, 2; Slate-colored Junco, 174; Am. Tree Sparrow, 89; Field Sparrow, 10; White-throated Sparrow, 82; Fox Sparrow, 6; Swamp Sparrow, 33; Song Sparrow, 48; Snow Bunting, 54. **Total,** 90 species; about 12,262 individuals. (Seen in area Dec. 26: Redhead, 25; Ring-necked Pheasant, 1; Cardinal, 1; Jan. 3: White-winged Scoter, 15.)—Dennis Puleston, Dennis E. Puleston, Gilbert S. Raynor (compiler), Paul Stoutenburg, Leroy Wilcox.

[On Dec. 26, J. T. Nichols, W. F. Nichols, and D. L. Weld covered essentially the same area and recorded about 1850 individuals of 52 species. Additional species not listed on the Central Suffolk County report included Red-necked Grebe, 2; Red-tailed Hawk, 1; Bald Eagle, 1; Cedar Waxwing, 6; Purple Finch, 15.—Ed.]

67. Montauk, L. I., N. Y. (7½-mile radius centering on Hither Hills State Park, and including Acobonack Harbor, Montauk Point, and territory up to 1 mile east of Amagansett; scrubby deciduous woodland 30%, ocean beach 30%, salt-water marsh 15%, ponds and lagoons 10%, fresh-water marsh 5%, open fields 5%, pine groves 5%).—Jan. 1; 7:15 a.m. to 5:30 p.m. Snow flurries to clear; temp. 25° to 38°; wind W-NW, 12-15 m.p.h.; ground bare; ponds partly frozen. Four observers in 1-2 parties. Total party-hours, 15 (7 on foot, 8 by car); total party-miles, 120 (30 on foot, 90 by car). Common Loon, 180; Red-throated Loon, 8; Horned Grebe, 100; Pied-billed Grebe, 16; Gannet, 30; European Cormorant, 10; Great Blue Heron, 2; Black-crowned Night Heron, 1; Mute Swan, 15; Canada Goose, 6; Black Duck, 7; Am. Golden-eye, 10; Buffle-head, 32; Old-squaw, 137; Harlequin Duck, 3; Common Eider, 3; White-winged Scoter, 750; Surf Scoter, 100; Am. Scoter, 26; Ruddy Duck, 5; Red-breasted Merganser, 146; Sharp-shinned Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 10; Virginia Rail, 1; Am. Coot, 250; **Piping Plover,** 3; Killdeer, 2; Wilson's Snipe, 1; Purple Sandpiper, 1; Sanderling, 11; Great Black-backed Gull, 21; Herring Gull, 600; Ring-billed Gull, 37; Bonaparte's Gull, 30; Mourning Dove, 2; Yellow-shafted Flicker, 43; Downy Woodpecker, 3; Blue Jay, 8; Am. Crow, 50; Black-capped Chickadee, 65; Red-breasted Nuthatch, 1; Winter Wren, 1; Catbird, 6; Am. Robin, 4; Eastern Bluebird, 16; Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 500; Myrtle Warbler, 1500; House Sparrow, 50; Eastern Meadowlark, 11; Red-winged Blackbird, 7; Brown-headed Cowbird, 3; Am. Goldfinch, 30; Eastern Towhee, 1; Slate-colored Junco, 24; Am. Tree Sparrow, 140; White-throated Sparrow, 120; Fox Sparrow, 1; Swamp Sparrow, 15; Song Sparrow, 55; Snow Bunting, 59. **Total,** 63 species; about 5275 individuals. (Seen in area Dec. 30: Red-tailed Hawk, 1; Horned Lark, 2.)—W. Bock, N. Boyajian (compiler), R. Mazzur, H. Stein.

[On Jan. 2, another count covering essentially the same area was made by Francis Cormier, Ken Harte, Christopher K. McKeever, Robert Rorden, and Maurice Wrangell. They obtained a total of 59 species and about 5029 individuals. Additional species not reported on the above Montauk list were: Redhead, 8; Greater Scaup, 75±5; **King Eider,** 2 ♀ (seen at 100 ft. through 30x scope; comparative length of bill processes and relative position of eye to bill noted—K.H., M.W.); Am. Merganser, 7; Cooper's Hawk, 1; Screech Owl, 1; Carolina Wren, 2; Brown Thrasher, 3; Palm Warbler, 2 (in bayberry tangle with Myrtle Warblers—K.H., M.W.); Common Yellow-throat, 1 (R.R.); Savannah Sparrow, 1.—Ed.]

68. Northern Nassau County, L. I., N. Y. (7½-mile radius centering on village of Matinecock [excluding section of North Hills and Manhasset covered by Queens County Bird Club] from Manhasset Bay to Cold Spring Harbor, north of Jericho Turnpike; 35 miles of shore on Long Island Sound, bays and inlets; open water of L. I. Sound 20%, bays and ponds bordered by salt marsh 22%, suburban residential plantings 23%, fields and deciduous woodland 35%).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind NW, 20-30 m.p.h.; ponds frozen, open water rough. Twenty-seven observers in 5 parties, and 5 feeding-station observers. Total party-hours, 37 (25 on foot, 8 by car); total party-miles, 236 (25 on foot, 211 by car). Red-throated Loon, 3; Horned Grebe, 22; White Pelican, 1 (continuously present at Mill Neck since June 1952); cormorant (sp.), 21; Great Blue Heron, 11; Black-crowned Night Heron, 15; Mute Swan, 12; Canada Goose, 200; Mallard, 267; Black Duck, 944; Am. Widgeon, 2; Pintail, 1; Redhead, 3; Ring-necked Duck, 17; Greater Scaup, 3352; Am. Golden-eye, 92; Old-squaw, 18; White-winged Scoter, 118; Surf Scoter, 4; Red-breasted Merganser, 67; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk,

1; Sparrow Hawk, 4; Ring-necked Pheasant, 1; Clapper Rail, 10; Killdeer, 35; Purple Sandpiper, 1; Great Black-backed Gull, 16; Herring Gull, 1863; Ring-billed Gull, 11; Laughing Gull, 3 (Mr. and Mrs. D.R., H.G.); Mourning Dove, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 29; Blue Jay, 38; Am. Crow, 449; Black-capped Chickadee, 87; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 3; Winter Wren, 1; Carolina Wren, 2; Catbird, 1; Am. Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 25; Golden-crowned Kinglet, 23; Common Starling, 261; Myrtle Warbler, 123; House Sparrow, 232; Eastern Meadowlark, 65; Red-winged Blackbird, 7; Brown-headed Cowbird, 6; Cardinal, 7; Purple Finch, 7; Am. Goldfinch, 83; Eastern Towhee, 4; Slate-colored Junco, 243; Am. Tree Sparrow, 71; Field Sparrow, 11; White-throated Sparrow, 290; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 160; Snow Bunting, 73. **Total,** 67 species; 9462 individuals. (Seen during week by D. Skaar: Common Loon, 4; Lesser Scaup, 1; Sharp-shinned Hawk, 1; Gadwall, 4; Sanderling, 6; Fish Crow, 1.)—David Skaar, Mr. and Mrs. Richard Kramer, John Ricks, Christopher Lamoureux, Frank Parker, Orville Dunning, Rawson Wood, Ella Brown, Mrs. Bess Kirkup, Mrs. Mary Bonnewell, Mr. and Mrs. Donald Ross, Mr. and Mrs. John Porter, Jane Porter, Helen Graseck, Richard Rhoades, Jay Purdy, Daryl Seerup, Morris Johnson, Mr. and Mrs. Ray Thorley, Mr. and Mrs. Edmund Mudge, Betty Mudge, Mrs. Jill Lamoureux, compiler (Lyman Langdon Audubon Society).

[On Dec. 28, Peter P. Wickham and James Callaghan covered essentially the same area and recorded 49 species and 1366 individuals. Additional species not listed on the Northern Nassau County report included Common Loon, 1; Pied-billed Grebe, 1; Am. Merganser, 1; Am. Coot, 2; Ruby-crowned Kinglet, 1; Vesper Sparrow, 16—some details provided, but an unusual number for area.—Ed.]

69. Quogue to Watermill, L. I., N. Y. (same as last year).—Dec. 29; 6:30 a.m. to 4:30 p.m. Clear in a.m., cloudy in p.m.; temp. 29° to 39°; wind W, 10 m.p.h.; all bays and ponds open. One observer. Total hours, 10 (2 on foot, 8 by car); total miles, 94 (3 on foot, 91 by car). Common Loon, 3; Red-throated Loon, 2; Horned Grebe, 22; Pied-billed Grebe, 31; Gannet, 2; Great Blue Heron, 8; Black-crowned Night Heron, 1; Am. Bittern, 1; Mute Swan, 165; Canada Goose, 689; Am. Brant, 33; Mallard, 77; Black Duck, 30; Am. Widgeon, 1; Pintail, 30; Redhead, 75; Canvas-back, 1; Greater Scaup, 2000; Am. Golden-eye, 61; Buffle-head, 11; Old-squaw, 50; White-winged Scoter, 500; Am. Scoter, 2; Ruddy Duck, 154; Am. Merganser, 9; Red-breasted Merganser, 20; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 1; Am. Coot, 660; Killdeer, 2; Black-bellied Plover, 5; Wilson's Snipe, 1; Red-backed Sandpiper, 6; Sanderling, 55; Great Black-backed Gull, 29; Herring Gull, 1500; Ring-billed Gull, 112; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Downy Woodpecker, 1; Blue Jay, 2; Am. Crow, 13; Black-capped Chickadee, 8; Winter Wren, 1; Carolina Wren, 2; Catbird, 1; Am. Robin, 3; Hermit Thrush, 2; Loggerhead Shrike, 2; Common Starling, 225; Myrtle Warbler, 65; House Sparrow, 28; Eastern Meadowlark, 7; Am. Goldfinch, 1; Savannah Sparrow, 1; Am. Tree Sparrow, 48; Field Sparrow, 18; White-throated Sparrow, 22; Swamp Sparrow, 1; Song Sparrow, 17; Snow Bunting, 60. **Total,** 63 species; about 6894 individuals.—Leroy Wilcox.

70. Smithtown, L. I., N. Y. (7½-mile radius centering on Smithtown and including Nissequogue River area, L. I. Sound shore from Short Beach to Long Beach and Old Field Point, St. James and Stony Brook Harbors; pasture 20%, deciduous farm woodlots 50%, salt marsh 25%, pine grove 5%).—Dec. 27; 4:30 a.m. to 5 p.m. Clear; temp. 28° to 45°; wind NW, 20-25 m.p.h.; ground bare; fresh water lightly frozen. Three observers in 3 parties. Total party-hours, 37½ (20 on foot, 17½ by car); total party-miles, 172 (28 on foot, 144 by car). Common Loon, 5; Red-throated Loon, 3; Horned Grebe, 126; Pied-billed Grebe, 9; Great Blue Heron, 2; **Am. Egret,** 1 (all 3 observers); Black-crowned Night Heron, 44; Mute Swan, 2; Canada Goose, 15; Snow Goose, 1; Mallard, 100; Black Duck, 477; Am. Widgeon, 40; Pintail, 10; Green-winged Teal, 4; Shoveller, 1; Ring-necked Duck, 90; Lesser Scaup, 12; Am. Golden-eye, 116; Buffle-head, 60; Old-squaw, 93; White-winged Scoter, 167; Surf Scoter, 8; Am. Scoter, 7; Red-breasted Merganser, 140; Sharp-shinned Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 6; Am. Coot, 12; Killdeer, 1; Wilson's Snipe, 2; Great Black-backed Gull, 38; Herring Gull, 1950; Ring-billed Gull, 350; Mourning Dove, 29; Screech Owl, 2; Horned Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 7; Eastern Phoebe, 1; Horned Lark, 75; Blue Jay, 62; Am. Crow, 325; Fish Crow, 15; Black-capped Chickadee, 84; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 6; Long-billed Marsh Wren, 5; Brown Thrasher, 2; Am. Robin, 90; Hermit Thrush, 1; Golden-crowned Kinglet, 4; Cedar Waxwing, 4; Common Starling, 1040; Myrtle Warbler, 25; House Sparrow, 16; Eastern Meadowlark, 42; Cardinal, 2; Purple Finch, 250; Am. Goldfinch, 78; Eastern Towhee, 1; Sharp-tailed Sparrow, 1; Slate-colored Junco, 8; Am. Tree Sparrow, 275; Field Sparrow, 2; White-throated Sparrow, 153; Fox Sparrow, 4; Swamp Sparrow, 5; Song Sparrow, 93. **Total,** 74 species; 6628 individuals.—Walton B. Sabin, James G. Ralston, Robert Ralston (compiler).

71. Southern Nassau County, L. I., N. Y. (area and habitat percentages same as previous years).—Jan. 2; 6 a.m. to 6:30 p.m. Fair; temp. 31° to 43°; wind NW, to 15 m.p.h.; ground bare; most ponds open. Fifty observers in 13 parties. Total party-hours, 95 (60 on foot, 30 by car, 5 by boat); total party-

miles, 411 (91 on foot, 310 by car, 10 by boat). Common Loon, 32; Red-throated Loon, 141; Red-necked Grebe, 4; Horned Grebe, 144; **Pied-billed Grebe,** 82; Gannet, 75; Double-crested Cormorant, 6; Great Blue Heron, 99; **Green Heron,** 1 (G.P.); Black-crowned Night Heron, 32; Am. Bittern, 10; Mute Swan, 16; Canada Goose, 5; **Am. Brant,** 8500 (±500); Snow Goose, 22; Mallard, 417; Black Duck, 7171 (6900±400, 271); Gadwall, 11; Am. Widgeon, 618; Pintail, 221; Green-winged Teal, 134; Shoveller, 29; Ring-necked Duck, 12; Canvas-back, 50; Greater Scaup, 309; Lesser Scaup, 25; Am. Golden-eye, 70; Buffle-head, 22; Old-squaw, 19; White-winged Scoter, 1890; Surf Scoter, 40; Am. Scoter, 593; Ruddy Duck, 26; Hooded Merganser, 34; Am. Merganser, 152; Red-breasted Merganser, 395; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 25; Sparrow Hawk, 27; Bob-white, 25; Ring-necked Pheasant, 10; Clapper Rail, 13; Virginia Rail, 1 (J.J.E., R.A.H., K.G.S.); **Florida Gallinule,** 3 (2 present all fall at Willow Pond in Lawrence where species breeds—J.L.B.; 1 watched from 40 yds. at Hempstead Lake—R.A.S.); Am. Coot, 113; Killdeer, 55; Black-bellied Plover, 51; **Woodcock,** 1 (K.P.); Wilson's Snipe, 4; Greater Yellow-legs, 2; Purple Sandpiper, 64; Red-backed Sandpiper, 134; **Dowitcher,** 2 (watched at leisure—R.S.A., R.A.S.); Sanderling, 385; Glaucous Gull, 1; Iceland Gull, 1; Great Black-backed Gull, 937; Herring Gull, 15,515 (14,950±250, 565); Ring-billed Gull, 501; Bonaparte's Gull, 11; Black-legged Kittiwake, 4; Mourning Dove, 134; Barn Owl, 2; Screech Owl, 2; Snowy Owl, 1; Long-eared Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 32; Hairy Woodpecker, 1; Downy Woodpecker, 20; Horned Lark, 105 (Northern, 96; Prairie, 9); Blue Jay, 98; Am. Crow, 93; Black-capped Chickadee, 96; **Tufted Titmouse,** 1; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 2; Long-billed Marsh Wren, 10; Catbird, 1; Am. Robin, 30; Hermit Thrush, 4; Golden-crowned Kinglet, 20; Gray Shrike, 2; Loggerhead Shrike, 2; Common Starling, 1274; Myrtle Warbler, 1008; **Common Yellow-throat,** 1 (G.P.); House Sparrow, 1057; Eastern Meadowlark, 148; Red-winged Blackbird, 86; Rusty Blackbird, 3; Purple Grackle, 4; Brown-headed Cowbird, 51; Cardinal, 8; Purple Finch, 25; House Finch, 9; Am. Goldfinch, 73; Eastern Towhee, 7; Ipswich Sparrow, 7; Savannah Sparrow, 103; Sharp-tailed Sparrow, 13; Seaside Sparrow, 9; Vesper Sparrow, 1; Slate-colored Junco, 155; Tree Sparrow, 376; Field Sparrow, 32; White-throated Sparrow, 332; Fox Sparrow, 32; Swamp Sparrow, 61; Song Sparrow, 327; Snow Bunting, 60. **Total,** 116 species (1 additional subspecies); about 45,249 individuals. —Sandy Allisson, Robert S. Arbib, Jr. (compiler), Mrs. William Arthur, Herman Bauer, Vernon Bauer, Dr. and Mrs. Benjamin C. Berliner, Ned Boyajian, Paul Buckley, John L. Bull, Jr., Edna T. Campbell, Guy Coheleach, Henry Collins, Donald Cooper, Harry N. Darrow, John J. Elliott, Robert Finley, Herman Goebel, Dan Guthrie, Richard E. Harrison, Richard A. Herbert, Henry Justus, Mrs. Heathcote Kimball, Mrs. Cyril Kroll, Fred Mangels, John H. Mayer, Mrs. Howard Meinke, Edmund Morgan, Herman Muller, Kenneth Patterson, Beth Pettit, Ted S. Pettit, Allan Penberthy, Mr. and Mrs. George Peters, George C. Rose, Harry Ryan, Mr. and Mrs. Richard Ryan, P. D. Skaar, Kathleen G. Skelton, Mr. and Mrs. Richard A. Sloss, Mrs. E. Stevens, Hazel Sullivan, Mr. and Mrs. Edwin Way Teale, James Terry, James White, Anthony Wolz.

72. Western Long Island, N. Y. (15-mile circle; Flushing Bay to North Hills, Whitestone to Atlantic Beach; suburban New York City 30%, Atlantic Ocean coast 5%, coastal marshes 15%, fresh water 5%, deciduous woods 10%, evergreen woods 5%, open woods 30%).—Dec. 27; 6 a.m. to 6:30 p.m. Clear to partly cloudy in p.m.; temp. 30.6° to 42.5°; wind SW to W, max. 10 m.p.h.; fresh-water ponds partly frozen. Forty-eight observers in 16 parties. Total party-hours, 185 (166 on foot, 19 by car); total party-miles, 437 (158 on foot, 279 by car). Common Loon, 5; **Red-throated Loon,** 10; Red-necked Grebe, 2; **Horned Grebe,** 23; **Pied-billed Grebe,** 98; Gannet, 1; Great Blue Heron, 7; Black-crowned Night Heron, 118; **Am. Bittern,** 4; **Mute Swan,** 15; [1]**Am. Brant,** 101 (N.B., H.G.); Snow Goose, 2; Mallard, 744; Black Duck, 7246; **Gadwall,** 45; European Widgeon, 3; **Am. Widgeon,** 1042; Pintail, 48; Green-winged Teal, 180; Shoveller, 12; Redhead, 1; **Ring-necked Duck,** 21; Canvas-back, 347; **Greater Scaup,** 57,529; Lesser Scaup, 49; Am. Golden-eye, 276; Buffle-head, 207; Old-squaw, 6; [1]**Harlequin Duck,** 1 (E.E.); White-winged Scoter, 100; Surf Scoter, 17; Am. Scoter, 10; **Ruddy Duck,** 170; **Hooded Merganser,** 87; Am. Merganser, 134; Red-breasted Merganser, 322; Goshawk, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; **Marsh Hawk,** 14; Sparrow Hawk, 46; Bob-white, 15; **Ring-necked Pheasant,** 67; Clapper Rail, 16; [1]**Florida Gallinule,** 2 (present since last summer—R.H.A., C.W.); Am. Coot, 178; [1]**Ringed Plover,** 1 (present all fall on mudflat at Raunt in Jamaica Bay—N.B., H.G.); **Killdeer,** 222; Black-bellied Plover, 52; Am. Woodcock, 1; Wilson's Snipe, 5; **Greater Yellow-legs,** 10; Lesser Yellow-legs, 1 (present all fall on mudflat at Raunt in Jamaica Bay—N.B., H.G.); Purple Sandpiper, 12; **Red-backed Sandpiper,** 610; [1]**Dowitcher (Long-billed),** 4 (present all fall on mudflat at Raunt in Jamaica Bay—J.M., G.C.R.); [1]**Semipalmated Sandpiper,** 4 (present all fall on mudflat at Raunt in Jamaica Bay—N.B., H.G.); [1]**Western Sandpiper,** 3 (present all fall on mudflat at Raunt in Jamaica Bay—N.B., H.G.); Sanderling, 36; **Great Black-backed Gull,** 623; Herring Gull, 15,153; **Ring-billed Gull,** 623; Bonaparte's Gull, 6; Mourning Dove, 116; Barn Owl, 3; Screech Owl, 7; **Short-eared Owl,** 6; Belted Kingfisher, 3; Yellow-shafted Flicker, 13; Hairy Woodpecker, 7; Downy Woodpecker, 63; Horned Lark, 146 (both Northern and Prairie identified); Blue Jay, 148; Am. Crow, 449; Fish Crow, 4; Black-capped Chickadee, 190;

White-breasted Nuthatch, 48; Brown Creeper, 9; Winter Wren, 9; **Long-billed Marsh Wren,** 12; Short-billed Marsh Wren, 1 (J.M., G.C.R.); Catbird, 4; Brown Thrasher, 3; Am. Robin, 9; Hermit Thrush, 4; Eastern Bluebird, 7; Golden-crowned Kinglet, 24; Water Pipit, 6; **Loggerhead Shrike,** 4; Common Starling, 9850; Myrtle Warbler, 85; Palm Warbler, 5; Common Yellow-throat, 1 (M.A.F., R.K.); House Sparrow, 764; Eastern Meadowlark, 37; Red-winged Blackbird, 381; Rusty Blackbird, 5; Purple Grackle, 11 (both Purple and Bronzed identified); **Brown-headed Cowbird,** 93; **Cardinal,** 10; [1]**Black-headed Grosbeak,** 1 (observed for ½ hour under good conditions; a ♀ with an olivaceous cast, plain yellowish breast with thin streaks on belly and flanks—J.M., G.C.R.); Purple Finch, 1; **House Finch,** 32; Common Redpoll, 1; Pine Siskin, 6; Am. Goldfinch, 71; Eastern Towhee, 2; Ipswich Sparrow, 2; Savannah Sparrow, 163; **Sharp-tailed Sparrow,** 8; Seaside Sparrow, 6; Vesper Sparrow, 3; Slate-colored Junco, 813; Am. Tree Sparrow, 564; Field Sparrow, 67; **White-throated Sparrow,** 1251; Fox Sparrow, 67; Swamp Sparrow, 63; Song Sparrow, 300; Lapland Longspur, 2; Snow Bunting, 31. **Total,** 124 species (2 additional subspecies); 102,692 individuals. [1] indicates species new to count. (Additional flock of 100 birds seen, probably House Finch but possibly Purple Finch. Small flock of Red Knot seen Dec. 26.)—Richard H. Adelson, William O. Astle, George Barr, Walter Bock, Mrs. Lowell M. Bonnewell, Ned Boyajian, John Bull, Orville M. Dunning, Eugene Eisenmann, Michael A. Fitzgerald, Leonard J. Garland, Herman Goebel, Robert H. Grant, Jerome S. Haller, Otto Heck, Richard A. Herbert, Anton Julic, Peter Katsoras, Edward Kirchmeier, Richard Koeppel, Klaus Kullman, Allen Larrabee, William Larrabee, William Z. Lidicker, Peter J. Lippmann, John H. Mayer, Jerome Metzner, Robert Meyerriecks, Hemming Mortensen, Mal Packman, Mrs. Irene Parks, Abraham Penzer, William W. Reid, George C. Rose, William Ross, Walton Sabin, George Scheffel, William Scheffel, Dr. E. D. Sinsabaugh, Mrs. Kathleen Skelton, Arthur Skopec, Mrs. Elizabeth Smithe, Frank B. Smithe, F. Norton Smithe, Herbert Stein, Palmer Stout, Charles F. Wright, Samuel C. Yeaton (Queens County Bird Club).

73. **Bear Mountain—Harriman State Park, N. Y.** (Bear Mountain south to Jones Point and west to Route 17; deciduous woods 40%, coniferous woods 15%, open fields 15%, swamps 20%, river 5%, lakes 5%).—Jan. 2; 6:30 a.m. to 5 p.m. Clear; temp. 31° to 40°; wind N to SE, 5-10 m.p.h.; ground clear; lakes partly frozen. Ten observers in 4 parties. Total party-hours, 38 (28 on foot, 10 by car); total party-miles, 197 (31 on foot, 166 by car). Pied-billed Grebe, 3; Mallard, 25; Black Duck, 225; Buffle-head, 4; Am. Merganser, 63; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Bald Eagle, 3; Marsh Hawk, 1; Peregrine Falcon, 1; Ruffed Grouse, 5; Ring-necked Pheasant, 1; Great Black-backed Gull, 6; Herring Gull, 55; Ring-billed Gull, 2; Snowy Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 31; Blue Jay, 145; Am. Crow, 30; Black-capped Chickadee, 196; Tufted Titmouse, 6; White-breasted Nuthatch, 41; Brown Creeper, 13; Am. Robin, 4; Eastern Bluebird, 4; Golden-crowned Kinglet, 33; Common Starling, 49; House Sparrow, 82; Red-winged Blackbird, 1; Rusty Blackbird, 2; Cardinal, 7; Pine Siskin, 2; Am. Goldfinch, 103; Eastern Towhee, 2; Slate-colored Junco, 251; Am. Tree Sparrow, 469; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 25. **Total,** 44 species; 1924 individuals.—Eugene Brown, Robert F. Deed, Dr. Marjorie Hopper, Mr. and Mrs. Irving Kennedy, John Kenney, John C. Orth (compiler), Peter Smith, Frank Steffens, Edward Treacy.

74. **Binghamton, N. Y.** (7½-mile radius centering on a point ½ mile south of East Maine and including Chenango Valley State Park as last year).—Jan. 1; 5 a.m. to 5 p.m. Overcast with snow showers; temp. 10° to 35°; wind W to WNW, 20-30 m.p.h. with gusts up to 50 m.p.h. in p.m.; all fresh water frozen except Susquehanna and Chenango rivers. Forty observers in 8 parties. Total party-hours, 53 (32 on foot, 21 by car); total party-miles, 328 (24 on foot, 304 by car). Black Duck, 25; Hooded Merganser, 1; Am. Merganser, 6; Marsh Hawk, 3; Sparrow Hawk, 7; Ruffed Grouse, 2; Ring-necked Pheasant, 3; Herring Gull, 53; Ring-billed Gull, 1; Mourning Dove, 2; Screech Owl, 2; Horned Owl, 1; Belted Kingfisher, 5; Pileated Woodpecker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 26; Horned Lark, 9; Blue Jay, 43; Am. Crow, 126; Black-capped Chickadee, 207; Tufted Titmouse, 4; White-breasted Nuthatch, 50; Brown Creeper, 3; Carolina Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 5; Common Starling, 4496; Myrtle Warbler, 2; House Sparrow, 1131; Red-winged Blackbird, 5; **Baltimore Oriole,** 1 (♂ observed at close range by Miss C.M.O'B., and all diagnostic characters noted; present since late Nov. and seen by several other observers); Purple Grackle, 3; Cardinal, 10; Purple Finch, 19; Pine Siskin, 3; Am. Goldfinch, 70; Slate-colored Junco, 36; Am. Tree Sparrow, 422; Swamp Sparrow, 6; Song Sparrow, 1; Snow Bunting, 400. **Total,** 41 species; 7204 individuals. (Seen in area Dec. 26: Yellow-shafted Flicker, 1; Dec. 27: Cedar Waxwing, 1; Evening Grosbeak, 1; Dec. 28: Yellow-bellied Sapsucker, 1; Dec. 29: Brown-headed Cowbird, 6; Dec. 30: Snowy Owl, 1; Jan. 2: Red-tailed Hawk, 1.)—W. C. Altman, Miss B. Barney, Mrs. B. Beasor, L. E. Bemont (compiler), F. Bobbet, T. Buckley, Miss J. Doren, Miss M. Drutonis, Mrs. H. Early, Mrs. R. P. Easton, Miss E. Fessenden, J. Getz, Mr. and Mrs. V. P. Hannan, Miss B. Hannan, C. R. Harris, Mrs. C. Lauter, C. Lauter, Jr., Mrs. H. Linaberry, Mrs. F. Marsi, Miss G. Marsi, J. McKee, Miss R. Minthorn, Mr. and Mrs. M. L. Moore, Miss C. M. O'Brien, T. Rood, Mrs. F. L. Rounds, R. W. Saunders, Mr. and Mrs. R. P. Sheffield, Mr. and Mrs. K. A. Snow, Mr. and Mrs. H. R. Taylor, Miss A. Topping, Mr. and Mrs. J. G. Vonhold, Dr. N. R. Washburn, J. Young (Binghamton Naturalists' Club).

75. Bronx–Westchester Region, N. Y. (northern Bronx and southern Westchester Counties as in previous years).—Dec. 27; 7 a.m. to 5 p.m. Fair; temp. 35° to 33°; wind, light NW, 5 m.p.h.; ground bare; nearly all fresh water open. Forty-one observers in 7 parties. Total party-hours, 55 (32 on foot, 23 by car); total party-miles, 58 (37 on foot, 21 by car). Common Loon, 8; Red-throated Loon, 13; Horned Grebe, 18; Pied-billed Grebe, 11; European Cormorant, 14; Great Blue Heron, 32; Black-crowned Night Heron, 33; Am. Bittern, 2; Mute Swan, 10; Canada Goose, 192; Mallard, 390; Black Duck, 2550; Gadwall, 7 (6th time in 30 yrs., highest count by 6); Am. Widgeon, 62; Pintail, 3; Green-winged Teal, 6; Wood Duck, 1; Ring-necked Duck, 10; Canvas-back, 700; Greater Scaup, 23,000 (est., highest count by 8000); Lesser Scaup, 3; Am. Golden-eye, 260; Buffle-head, 72; Old-squaw, 20; White-winged Scoter, 6; Surf Scoter, 1; Ruddy Duck, 140; Hooded Merganser, 32; Am. Merganser, 42; Red-breasted Merganser, 210; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 14; Red-shouldered Hawk, 6; Rough-legged Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 14; Ring-necked Pheasant, 71; Clapper Rail, 3; Virginia Rail, 3 (G.K.); Killdeer, 123; Wilson's Snipe, 1; **Lesser Yellow-legs,** 1 (2nd time in 30 yrs.; calling and seen at close range—I.C., W.N.); Purple Sandpiper, 40; Great Black-backed Gull, 108; Herring Gull, 13,000 (est.); Ring-billed Gull, 46; Laughing Gull, 6; Bonaparte's Gull, 4; Mourning Dove, 30; Barn Owl, 2; Screech Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 9; Hairy Woodpecker, 31; Downy Woodpecker, 57; Horned Lark, 30; Blue Jay, 130; Am. Crow, 200; Black-capped Chickadee, 240; Tufted Titmouse, 8; White-breasted Nuthatch, 57; Red-breasted Nuthatch, 1; Brown Creeper, 12; **House Wren,** 1 (2nd time in 30 yrs. —I.C., W.N.); Winter Wren, 8; Carolina Wren, 2; Long-billed Marsh Wren, 3; Am. Robin, 9; Eastern Bluebird, 8; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 1 (J.B., R. Sloss); Common Starling, 5000 (est.); Myrtle Warbler, 50; **Palm Warbler (Yellow),** 1 (2nd time in 30 yrs.—W.E.); **Common Yellow-throat,** 1 (5th time in 30 yrs.—J.B., R. Sloss); House Sparrow, 900 (est.); Eastern Meadowlark, 61; Red-winged Blackbird, 300 (highest count by 200); Purple Grackle, 160 (highest count by 120; both Purple and Bronzed identified); Brown-headed Cowbird, 540 (highest count by 420); Cardinal, 16; Purple Finch, 27; **House Finch,** 2 (new to count and locality; part of a flock of 15 present since Dec. 13; at Rye—R. Herbert, *et al.*); Pine Siskin, 4; Am. Goldfinch, 165; Eastern Towhee, 6; Savannah Sparrow, 58; Sharp-tailed Sparrow (Acadian), 1; Vesper Sparrow, 6; Slate-colored Junco, 630; Am. Tree Sparrow, 790; Chipping Sparrow, 1 (7th time in 30 yrs.—G.K.); Field Sparrow, 47; White-throated Sparrow, 580 (highest count by 230); Fox Sparrow, 36; Swamp Sparrow, 24; Song Sparrow, 530; Snow Bunting, 1. **Total,** 100 species (1 additional subspecies); about 53,233 individuals. (Seen in area Dec. 29: Barred Owl, 1; Long-eared Owl, 1.)—H. and V. Bauer, N. Boyajian, P. Buckley, J. Bull (compiler), I. Cantor, J. Carlton, W. Cooney, H. Darrow, E. Eisenmann, W. Ephraim, W. Feigin, E. Feinberg, M. Glasser, C. Glenn, H. Goebel, O. Hancock, R. Herbert, R. Honor, R. Kane, G. Komorowski, A. Lee, R. Lehrman, J. McGuire, J. Mayer, W. Norse, J. Orenstein, A. Penberthy, J. Phelan, J. Philips, F. Schaf, W. Sedwitz, Mrs. K. Skelton, R. Sloss, R. Solomon, J. Stegle, Al and Aubrey and R. Thomas, Miss I. Werner, R. Wolk.

76. Buffalo, N.Y. (7½-mile radius centering on Grand Island, area same as last year).—Jan. 1; 6 a.m. to 6 p.m. Mostly cloudy; temp. 19° to 38°; wind SW, 15-36 m.p.h.; 1-in. snow on ground in a.m., mostly bare in p.m. Fifty-one observers in 14 parties. Total party-hours, 91½ (38 on foot, 53½ by car); total party-miles, 494 (62 on foot, by car 432). Common Loon, 3; Red-throated Loon, 2; Horned Grebe, 14; **Great Blue Heron,** 20; **Black-crowned Night Heron,** 14; Mallard, 243; Black Duck, 799; Gadwall, 5; Pintail, 14; Redhead, 15; **Ring-necked Duck,** 19; Canvas-back, 9281; Greater Scaup, 1880; Lesser Scaup, 2; Am. Golden-eye, 1565; Buffle-head, 101; Old-squaw, 105; **King Eider,** 1 (W.H.A., J.S.); White-winged Scoter, 6; Ruddy Duck, 1; Am. Merganser, 600; Red-breasted Merganser, 322; Cooper's Hawk, 1; Red-tailed Hawk, 20; Rough-legged Hawk, 1; Bald Eagle, 4; Marsh Hawk, 6; Sparrow Hawk, 45; Ruffed Grouse, 6; Ring-necked Pheasant, 189; **Am. Coot,** 1; Glaucous Gull, 1; Great Black-backed Gull, 38; Herring Gull, 5970; **Ring-billed Gull,** 1256; Bonaparte's Gull, 2400; **Little Gull,** 1 (seen well by 11 observers); Mourning Dove, 2; Screech Owl, 7; Horned Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 29; Horned Lark, 7; Blue Jay, 31; Am. Crow, 230; Black-capped Chickadee, 45; White-breasted Nuthatch, 15; Brown Creeper, 17; Winter Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 29; Cedar Waxwing, 2; **Gray Shrike,** 13; Common Starling, 2417; **Myrtle Warbler,** 3; House Sparrow, 1112; Red-winged Blackbird, 4; Purple Grackle, 1; Cardinal, 18. **Am. Goldfinch,** 70; **White-winged Crossbill,** 3; Slate-colored Junco, 75; Am. Tree Sparrow, 358; **White-throated Sparrow,** 5; Swamp Sparrow, 7; Song Sparrow, 12. **Total,** 67 species; 29,477 individuals. (Seen in area during period: Harlequin Duck, 5; Iceland Gull, 4 [Iceland, 3; Kumlien's, 1]; Snowy Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 2.)—William H. Almendinger, Mrs. C. W. Avery, Jr. (compiler), Dr. and Mrs. Harold H. Axtell, Mrs. John E. Bacon, James Braunberns, Mr. and Mrs. Winston W. Brockner, Mr. and Mrs. Richard Byron, Mrs. Helen M. Creighton, Mary Louise Emerson, Dr. and Mrs. Karl F. Eschelman, Gordon Fluellon, Donald J. Gamble, Philip S. Greene, Fred T. Hall, Mr. and Mrs. Axel Heilborn, H. K. Inskip, David Kanski, Mr. and Mrs. Raymond C. Kirsch, Philip Klabunde, Mr. and Mrs. Walter Klabunde, Mrs. Mercedeth Lovelace, Mrs. Leroy C. Melberg, Harold D. Mitchell, Bernard Nathan, Wheeler M. Rogerson, Richard C. Rosche, Fred Salisbury, James Savage, Arthur Schaffner, Alan

Smith, Michael Smith, Stephen Smith, Heather G. Thorpe, A. V. Tulinoff, Lena Turner, Mr. and Mrs. Edward C. Ulrich, Maurice Ward, Gertrude G. Webster, Margaret Wendling, Marie Wendling, Frank Witebsky, Irwin Woldman, Cyril T. Wolfling (Buffalo Ornithological Society).

77. **Conesus and Hemlock Lakes, N.Y.** (both lakes, their shores and swamps, and intermediate higher farmland; water 27%, open farmland 46%, deciduous woods 9%, coniferous woods 4%, frozen cedar swamp 5%, summer cottage area 9%).—Jan. 3; 8:30 a.m. to 3:30 p.m. Rain to fog to snow; temp. 41° to 30°; wind SW to W, 2-8 m.p.h.; ground covered with 1-3-in. crusted snow; both lakes open except for 5% ice at north end Conesus. Heavy fog prevented full coverage of Hemlock Lake. Three observers in 1 party. Total hours, 7 (2½ on foot, 4½ by car); total miles, 56 (5 on foot, 51 by car). Horned Grebe, 4; Pied-billed Grebe, 3; Mallard, 22; Black Duck, 7; Gadwall, 3; Redhead, 5; Canvasback, 185; Greater Scaup, 9; Am. Golden-eye, 62; Am. Merganser, 48; Marsh Hawk, 1; Sparrow Hawk, 1; Am. Coot, 4; Ring-billed Gull, 24; Horned Owl, 1; Yellow-shafted Flicker, 2; Downy Woodpecker, 3; Horned Lark (Prairie), 5; Blue Jay, 1; Am. Crow, 4; Black-capped Chickadee, 5; Golden-crowned Kinglet, 1; Common Starling, 12; Myrtle Warbler, 2; House Sparrow, 25; Cardinal, 1; Slate-colored Junco, 3; Am. Tree Sparrow, 14; Song Sparrow, 1; Snow Bunting, 150. **Total,** 30 species; 608 individuals.—R. W. Hartwell, A. S. Klonick (compiler), G. Rising.

78. **Cortland, N.Y.** (same as last year).—Dec. 27; 7 a.m. to 6 p.m. Light snow falling; temp. 24° to 30°; wind W to NW, 2-7 m.p.h.; 1-in. snow on ground; Otter Creek dry, other streams open. Two observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 60 (11 on foot, 49 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 19; Black Duck, 263; Pintail, 14; Redhead, 12; Greater Scaup, 6; Lesser Scaup, 3; Am. Golden-eye, 18; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Am. Coot, 3; Herring Gull, 9; Ring-billed Gull, 2; Mourning Dove, 1; Screech Owl, 4; Horned Owl, 2; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 7; Am. Crow, 54; Black-capped Chickadee, 91; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 3; Golden-crowned Kinglet, 15; Gray Shrike, 1; Common Starling, 394; House Sparrow, 233; **Cardinal,** 8; Purple Finch, 9; Am. Goldfinch, 1; Slate-colored Junco, 6; Am. Tree Sparrow, 59; Swamp Sparrow, 2; Song Sparrow, 9; Snow Bunting, 2. **Total,** 41 species; 1282 individuals.—Harold H. Axtell, Rachel C. Axtell.

79. **Deposit, N.Y.** (7½-mile radius centering on Delaware River 3 miles south of Deposit; cultivated fields and pasture 25%, brushy fields 13%, mature coniferous forest 15%, second-growth mixed woodland 35%, marsh and beaver dams 10%, village streets and suburbs 2%).—Jan. 1; 7:30 a.m. to 6 p.m. Cloudy, snow squalls; temp. 17° to 37°; wind S to NW, 0-30 m.p.h.; ground covered with 1-2-in. soft snow; Oquaga Lake, Delaware River, and larger streams partly frozen, small ponds and streams frozen. One observer. Total hours, 10½ (7¾ on foot, 2¾ by car); total miles, 30 (7 on foot, 23 by car). Ruffed Grouse, 8; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 6; Black-capped Chickadee, 86; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Brown Creeper, 1; Golden-crowned Kinglet, 6; Common Starling, 41; House Sparrow, 44; Pine Siskin, 34 (30±10, 4); Am. Goldfinch, 63 (50±10, 13); Slate-colored Junco, 5; Am. Tree Sparrow, 33; Song Sparrow, 1; Snow Bunting, 18. **Total,** 17 species; about 362 individuals. (Seen in area Jan. 2: Purple Finch, 54 [50±10, 4].)—S. S. Wilson, Jr.

80. **Elmira, N.Y.** (same area as last year; upland coniferous forest 9%, upland deciduous forest 12%, upland mixed forest 16%, bottomland deciduous 17%, plowed fields 5%, shrubby fields 10%, grassy fields 4%, fresh-water ponds 2%, cattail marsh 4%, shrubby swamp 6%, town suburbs 4%, creek borders 7%, river borders 4%).—Jan. 2; 7 a.m. to 4:30 p.m. Mostly clear, few high clouds; temp. 13° to 46°; wind 0 in a.m. to 16 m.p.h. SW; barometer falling; ground bare, ponds frozen, some ice in streams. Twenty-four observers in 9 parties. Total party-hours, 53 (28 on foot, 25 by car); total party-miles, 262 (29 on foot, 233 by car). **Great Blue Heron,** 2; Black Duck, 6; Buffle-head, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 12; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Herring Gull, 41; Ring-billed Gull, 1; Mourning Dove, 2; Horned Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 38; Horned Lark, 22; Blue Jay, 89; Am. Crow, 190; Black-capped Chickadee, 248; Tufted Titmouse, 3; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 2; Brown Creeper, 3; Am. Robin, 1; Golden-crowned Kinglet, 8; Gray Shrike, 1; Common Starling, 241; **Myrtle Warbler,** 6; House Sparrow, 233; Eastern Meadowlark, 1; Cardinal, 4; Purple Finch, 17; Am. Goldfinch, 42; **Eastern Towhee,** 1; Slate-colored Junco, 135; Am. Tree Sparrow, 299; **Field Sparrow,** 5 (O.Y.); Swamp Sparrow, 1; Song Sparrow, 3; Snow Bunting, 16. **Total,** 44 species; about 1733 individuals. (Orange-crowned Warbler at feeding station just outside area [Wellsburg] Dec. 4 to Jan. 9.)—Leonard Andrus, Richard Andrus, Mrs. Elmer Brimmer, Billy Brimmer, Marguerite Campbell, Maude Embler, Mr. and Mrs. Albert Fudge, Bruce Fudge, Clinton Fudge, Jr., Kathleen Fudge, Donald L. Johnson, Rev. and Mrs. Benjamin Klauser, Mrs. Otis Lawrence, Mr. and Mrs. Carland Mann, Glenna Rowley, Cecil R. Ryan, Helen Samson, Mary Smith, Mary Welles (compiler), Lacey Woodward, Olive York (Chemung Valley Audubon Society).

81. **Fort Plain, N.Y.** (Mohawk River, valleys of Oak, Otsquene, and Otsquago creeks; Oak Hill, Mineral Springs and Old Reservoir woods; mixed decidu-

ous and coniferous woods 50%, open farmland 20%, river swamps and flats 30%).—Dec. 30; 8 a.m. to 6 p.m. Overcast, sunny at noon; temp. 26° to 28°; wind SE to NW, calm to 10 m.p.h.; ground bare; river and creeks open. One observer with Brittany spaniel. Total hours, 10 (on foot); total miles, 12 (on foot). Black Duck, 6; Red-tailed Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Herring Gull, 21; Barred Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Blue Jay, 3; Am. Crow, 1; Black-capped Chickadee, 15; White-breasted Nuthatch, 3; Golden-crowned Kinglet, 6; Common Starling, 12; House Sparrow, 66; Purple Finch, 2; Am. Goldfinch, 30; Am. Tree Sparrow, 35; Song Sparrow, 2; Snow Bunting, 2. **Total,** 21 species; 216 individuals. (Seen in area Dec. 27: Pileated Woodpecker, 1.)—Douglas Ayres, Jr.

82. Geneva, N.Y. (same as last year; open farmland 45%, town suburbs 15%, mixed woods 25%, lake 15%).—Dec. 27; 8 a.m. to 4 p.m. Cloudy with trace of snow; temp. 26° to 36°; wind S, 3-15 m.p.h.; ground bare; ponds frozen, Seneca Lake open. Fifteen observers in 10 parties. Total party-hours, 38 (23½ on foot, 14½ by car); total party-miles, 128 (24 on foot, 104 by car). Horned Grebe, 54; Pied-billed Grebe, 3; Great Blue Heron, 2; Whistling Swan, 1; Mallard, 2; Black Duck, 172; Redhead, 2500 (est.); Canvas-back, 2; Greater Scaup, 2000 (est.); Lesser Scaup, 25; Am. Golden-eye, 170; Buffle-head, 1; Old-squaw, 2; Am. Merganser, 36; Red-breasted Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 14; Am. Coot, 136; Killdeer, 4; Great Black-backed Gull, 5; Herring Gull, 107; Ring-billed Gull, 23; Bonaparte's Gull, 1; Mourning Dove, 26; Horned Owl, 2; Snowy Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 18; Horned Lark, 2; Blue Jay, 10; Am. Crow, 2200 (est.); Black-capped Chickadee, 74; Tufted Titmouse, 1; White-breasted Nuthatch, 12; Brown Creeper, 2; Mockingbird, 1; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 235; House Sparrow, 355; Red-winged Blackbird, 2; Cardinal, 21; Common Redpoll, 18; Slate-colored Junco, 12; Am. Tree Sparrow, 87; Song Sparrow, 3. **Total,** 52 species; about 8369 individuals.—Michael Chiodo, Leora Dryer, Mr. and Mrs. Alfred Fitch, Lansing Hoskins, Mrs. Frank. McGuire, Dr. and Mrs. Samuel A. Munford, Ethel Murden, C. Sealey Peck, Guion Roland, Jason Walker, Loren Ward, John Wellington, Maxwell Wheat.

83. Gouverneur, N.Y. (7½-mile radius centering on village park; open farmland 50%, hemlock and hardwood groves 25%, village streets 15%, river bank 10%).—Jan. 2; 7:15 a.m. to 3:30 p.m. Partly overcast; temp. 4° to 20°; wind E, 0-5 m.p.h.; 2-in. snow on ground, river largely frozen. One observer. Total hours, 7 (4 on foot, 3 by car); total miles, 40 (5 on foot, 35 by car). Sparrow Hawk, 1; Ruffed Grouse, 3; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 3; Black-capped Chickadee, 34; White-breasted Nuthatch, 5; Common Starling, 150 (est.); House Sparrow, 100 (est.); Purple Grackle 1; Am. Goldfinch, 11; Am. Tree Sparrow, 75 (est.); Snow Bunting, 200 (est.). **Total,** 13 species; about 591 individuals.—J. B. Belknap.

84. Hamburg, Orchard Park, East Aurora, N.Y. (7½-mile radius centering on Chestnut Ridge Park and including Emery Park; area same as last year).—Dec. 27; 7:30 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 25° to 35°; wind S, 10-18 m.p.h.; 2-8-in. snow on ground; ponds frozen, Lake Erie and streams open. Fifty-one observers in 17 parties, plus 10 feeding stations. Total party-hours, 89 (22 on foot, 67 by car); total party-miles, 584 (53 on foot, 531 by car). Am. Golden-eye, 150; Buffle-head, 1; Red-breasted Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 26; Ruffed Grouse, 3; Ring-necked Pheasant, 112; Herring Gull, 95; **Bonaparte's Gull,** 45; Mourning Dove, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 66; **Arctic Woodpecker,** 1 (E.C.U., A.U. F.T.T., M.L.); Horned Lark, 4; Blue Jay, 67; Am. Crow, 1425; Black-capped Chickadee, 175; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 10; Brown Creeper, 11; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 2; Golden-crowned Kinglet, 63; Gray Shrike, 2; Common Starling, 1812; House Sparrow, 3168; **Eastern Meadowlark,** 40; Red-winged Blackbird, 1; Purple Grackle, 1; Brown-headed Cowbird, 2; Cardinal, 19; Am. Goldfinch, 169; Slate-colored Junco, 115; Am. Tree Sparrow, 702; White-throated Sparrow, 1; Song Sparrow, 16; Snow Bunting 155. **Total,** 44 species; 8536 individuals.—Mr. and Mrs. C. W. Avery, Jr., W. H. Almendinger, Mr. and Mrs. J. E. Bacon, John Bacon, M. Edna Blowers, T. L. Bourne, Mrs. S. F. Brown, R. Byron, Mrs. J. A. Creighton, Mr. and Mrs. M. Dietrich, Dr. and Mrs. W. D. Dugan, Sam Dugan, Pat Dugan, Dr. and Mrs. K. F. Eschelman, Mrs. H. W. Fell, P. Fenger, D. J. Gamble, G. Gee, Mrs. T. Gunning, D. Kanski, Mrs. P. A. Knopp, C. T. Knox, Mrs. H. Krakauer, Tom Krakauer, Mercedeth Lovelace, Mrs. R. D. Madison, Mr. and Mrs. W. H. McShane, Molly McShane, Mrs. L. C. Melberg (compiler), H. D. Mitchell, B. Nathan, Mrs. R. O. Patterson, Frances G. Rew, Frances M. Rew, Viola Richards, R. C. Rosche, Mrs. R. D. Samdahl, F. T. Tilley, Lena Turner, Mr. and Mrs. E. C. Ulrich, A. D. Wander, C. T. Wolfling, Mrs. C. M. Woolley, A. J. Wright II (members, Buffalo Audubon Society).

85. Jamestown, N. Y. (7½-mile radius centering on 6th and Main Sts., north to Gerry, south to Riverside, east to Poland Center, west to Ashville; open water 20%, deciduous 17%, fields 23%, marsh 2%, coniferous 28%, suburbs 10%).—Dec. 26; 7 a.m. to 5 p.m. Windy and warm; temp. 25° to 30°; wind S, 30 m.p.h.; no fresh snow, slushy, all water open except parts of Chaut. Lake. Twelve observers in 6 parties. Total party-hours, 26 (12 on foot, 14 by

car); total party-miles, 67 (22 on foot, 45 by car). Horned Grebe, 1; Canvas-back, 45; Greater Scaup, 20; Am. Golden-eye, 76; Buffle-head, 3; Sharp-shinned Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse, 4; Ring-necked Pheasant, 15; Herring Gull, 10; Ring-billed Gull, 4; Belted Kingfisher, 1; Hairy Woodpecker, 5; Downy Woodpecker, 19; Blue Jay, 11; Black-capped Chickadee, 108; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 2; Brown Creeper, 7; Golden-crowned Kinglet, 14; Common Starling, 2777; Myrtle Warbler, 12 (R.A.S.); House Sparrow, 197; **Brewer's Blackbird,** 1 (seen at 4 ft. in good light in a barnyard all by itself—C.B., R.A.S.); Purple Grackle, 1; Brown-headed Cowbird, 3; Cardinal, 8; Purple Finch, 11; Am. Goldfinch, 28; Slate-colored Junco, 78; Am. Tree Sparrow, 523; White-throated Sparrow, 1 (R.J.); Swamp Sparrow, 6; Song Sparrow, 6. **Total,** 34 species; 4020 individuals. (Seen in area during count period: Whistling Swan, 25; Bob-white, 4; Robin, 1; Winter Wren, 1; Pileated Woodpecker, 2.)—Dan Anderson, Clarence Beal, Annabelle Hiller, Clifford Jones, Richard Jurkowski (compiler), Robert Olson, Claude Parker, Fred Sortwell, Ron Stroth, Robert A. Sundell, Roger H. Sundell, Sydney Taylor.

86. Keuka Park, N. Y. (7-mile radius centering on Keuka Park and including Branchport, Penn Yan, Dresden, Bellona, and territory adjacent to each; upland pasture 10%, plowland 60%, deciduous woodlots 20%, lake shore and cattail marsh 5%, narrow woods along beaver-dammed Sugar Creek 5%, red cedar grove).—Jan. 2; 7 a.m. to 4.30 p.m.; temp. 28° to 45°; wind S, 20 m.p.h. Ten observers in 5 parties. Total party-hours, 51½ (31½ on foot, 20 by car); total party-miles, 256 (46 on foot, 210 by car). Horned Grebe, 37; Pied-billed Grebe, 24; Mallard, 43; Black Duck, 280; Am. Widgeon, 6; Green-winged Teal, 1; Wood Duck, 3; Redhead, 220; Ring-necked Duck, 5; Canvas-back, 550; Greater Scaup, 1; Am. Golden-eye, 82; Buffle-head, 4; Old-squaw, 50; Ruddy Duck, 1; Hooded Merganser, 4; Am. Merganser, 5; Cooper's Hawk, 1; Red-tailed Hawk, 7; Marsh Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 3; Ring-necked Pheasant, 2; Am. Coot, 19; Killdeer, 6; Wilson's Snipe, 1; Great Black-backed Gull, 2; Herring Gull, 20; Ring-billed Gull, 22; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 30; Horned Lark, 13 (12 Prairie, 1 Northern); Blue Jay, 8; Am. Crow, 70; Black-capped Chickadee, 93; White-breasted Nuthatch, 16; Brown Creeper, 5; Catbird, 1; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 1; Water Pipit, 1; Common Starling, 210; House Sparrow, 270; Rusty Blackbird, 2; Cardinal, 14; Purple Finch, 26; Am. Goldfinch, 2; Am. Tree Sparrow, 145; Field Sparrow, 6; White-throated Sparrow, 3; Swamp Sparrow, 5; Song Sparrow, 23. **Total,** 57 species; 2379 individuals.—Mr. and Mrs. E. M. Bingham, Messrs. Frank K. (compiler) and Robert G. Guthrie, Mr. and Mrs. Malcolm Lerch, Mr. and Mrs. Francis Orcutt, Charles Spiker, Mrs. John N. Whitaker.

87. Kingston–Lake Mohonk–Ashokan Reservoir, N. Y. (same as in previous years, with addition of house yards and orchard in Stone Ridge).—Dec. 27; 6:40 a.m. to 4:30 p.m. Clear; temp. 25° to 35°; wind W to S, 5 m.p.h.; ground bare, frozen; ponds frozen, streams partly frozen, reservoir open. Eleven observers in 5 parties. Total party-hours, 26 (18 on foot, 8 by car); total party-miles, 54½ (14 on foot, 40½ by car). Horned Grebe, 1; Pied-billed Grebe, 2; Black Duck, 8; scaup (sp.) 8; Am. Golden-eye, 4; Am. Merganser, 37; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 7; Ring-necked Pheasant, 7; Herring Gull, 25; Mourning Dove, 21; Barn Owl, 1; Long-eared Owl, 2; Pileated Woodpecker, 5; Hairy Woodpecker, 11; Downy Woodpecker, 27; Blue Jay, 38; Am. Crow, 76; Black-capped Chickadee, 150; Tufted Titmouse, 6; White-breasted Nuthatch, 26; Brown Creeper, 5; Winter Wren, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 35; Cedar Waxwing, 12; Loggerhead Shrike, 1; Common Starling, 233; Myrtle Warbler, 1; House Sparrow, 138; Eastern Meadowlark, 18; Purple Grackle, 3; Cardinal, 20; Purple Finch, 46; Am. Goldfinch, 60; Savannah Sparrow, 1; Slate-colored Junco, 94; Am. Tree Sparrow, 95; White-throated Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 17; Snow Bunting, 1. **Total,** 43 species; 1257 individuals. (Seen in area Dec. 23 and Jan. 4: Snowy Owl.)—Ralph Johnson, Robert Pyle, Neil Croom, Daniel Smiley, Jr., Fred N. Hough, Arthur M. Cragin, Walter Chaskel, R. H. VanFalkenburgh, Henry F. Dunbar, Ilse K. Dunbar (compiler), Thomas Morgan (John Burroughs Natural History Society).

88. Manhattan Island, N. Y. (same area as previous years; same percentages as year before last).—Jan. 3; 7 a.m. to 5 p.m. Partially cloudy with some rain; temp. 28° to 35°; wind S, 5-8 m.p.h.; ground bare; small fresh-water lakes frozen. Eleven observers in 7 parties. Total party-hours, 35 (19 on foot, 4 by car, 12 by boat); total party-miles, 186 (26 on foot, 100 by car, 60 by boat). Common Loon, 1; Black-crowned Night Heron, 1; Am. Brant, 3 (R.R., M.R.); Mallard, 44; Black Duck, 388; European Widgeon, 1 (P.M., P.P., W.C., E.F.); Am. Widgeon, 30; Pintail, 1 (I.C.); Greater Scaup, 2551 (2500 est., 51); Lesser Scaup, 10; Am. Golden-eye, 20; White-winged Scoter, 8; Am. Merganser, 22; Red-breasted Merganser, 2; Peregrine Falcon, 3; Sparrow Hawk, 5; Ring-necked Pheasant, 1; Iceland Gull, 2 (R.R., M.R.); Great Black-backed Gull, 88; Herring Gull, 3714 (200 est., 3514); Ring-billed Gull, 77; Black-headed Gull, 2 (R.R., M.R., N.B.); Laughing Gull, 2; Bonaparte's Gull, 1357 (1300 est., 57); Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 9; Blue Jay, 25; Black-capped Chickadee, 12; Tufted Titmouse, 1 (P.M., P.P., W.C., E.F., K.S.); White-breasted Nuthatch, 5; Am. Robin, 2; Common Starling, 140,000 (est.); House Sparrow, 165 (150 est., 15); Red-winged Blackbird, 26; Rusty Blackbird, 1; Purple Grackle, 7; Brown-headed Cowbird, 105; Cardinal, 6; Slate-colored Junco, 86; Am. Tree Sparrow, 3; White-throated Sparrow, 53; Song Spar-

row, 25. **Total,** 43 species; 148,840 individuals. Last year's count, which was not sent in, had 39 species and about 125,000 individuals.—Ned Boyajian, Irving Cantor, William Cooney, Ezra Feinberg, Gordon Gavan, Richard Harrison, Pauline Messing, Peter Post, Marilynn Ryan, Richard Ryan (compiler), Kathleen Skelton.

89. Monticello, N. Y. (same area as last year; feeders and village streets 15%, open fields and farmlands 20%, river borders 10%, marsh area 5%, mixed deciduous and coniferous woods 50%).— Dec. 26; 7:45 a.m. to 4:45 p.m. Clear; temp. 14° to 34°; wind SSW to W, 0-18 m.p.h.; ground bare; rivers and streams partly open, ponds and lakes frozen. Twenty-two observers in 7 parties. Total party-hours, 32 (12 on foot, 20 by car); total party-miles, 300 (10 on foot, 290 by car). Mallard, 9; Black Duck, 14; Am. Merganser, 36; Red-tailed Hawk, 1; Marsh Hawk, 1; Ruffed Grouse, 22; Ring-necked Pheasant, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 14; Blue Jay, 27; Am. Crow, 25; Black-capped Chickadee, 114; White-breasted Nuthatch, 16; Am. Robin, 1; Golden-crowned Kinglet, 5; Common Starling, 175; House Sparrow, 258; Brown-headed Cowbird, 2; Pine Siskin, 410; Am. Goldfinch, 60; Slate-colored Junco, 11; Am. Tree Sparrow, 59; Song Sparrow, 2. **Total,** 24 species; 1281 individuals. (Seen in area Dec. 27: Belted Kingfisher, 3; Rusty Blackbird, 1; Dec. 29: Carolina Wren, 1; Jan. 2: Red-winged Blackbird, 1; Jan. 3: **Bohemian Waxwing,** 1 [studied at 50 ft., and compared carefully with accompanying Cedar Waxwing; all identifying characters noted including rusty under-tail coverts—Mr. and Mrs. E.M., Mr. and Mrs. K.D.N.]; Cedar Waxwing, 1; Evening Grosbeak, 10.)—Mr. and Mrs. Charles Atwell, David and Edward Burckhardt, Mr. and Mrs. Peter Burckhardt, Pauline Chernick, Margaret Fogarty, Mr. and Mrs. M. C. Hammond, Mr. and Mrs. Ed McBride, Eddie Morse, Mr. and Mrs. Kenneth Niven (compilers), Mrs. Virginia T. Niven, Jackie O'Donnell, Ruth Pokorny, Seymour Roseig, Mr. and Mrs. Delmont Race, Mrs. Victor Weiss (Sullivan County Audubon Society).

90. Olean, N. Y. (same area and habitat coverage as in 1952).—Dec. 30; 7 a.m. to 5 p.m. Partly cloudy; temp. 32° to 24°; wind W, 8-12 m.p.h.; ground covered by 3-6-in. snow; most large creeks and Allegheny River not frozen. Eight observers in 4 parties. Total party-hours, 25 (7 on foot, 18 by car); total party-miles, 106 (10 on foot, 96 by car). Pied-billed Grebe, 1; Sparrow Hawk, 3; Ruffed Grouse, 6; Ring-necked Pheasant, 1; Mourning Dove, 1; Belted Kingfisher, 3; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 6; Am. Crow, 5; Black-capped Chickadee, 95; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 8; Brown Creeper, 6; Golden-crowned Kinglet, 4; Common Starling, 70 (est.); House Sparrow, 480 (est.); Brown-headed Cowbird, 3; Cardinal, 3; Purple Finch, 10; Pine Siskin, 10; Am. Goldfinch, 36; Slate-colored Junco, 18; Am. Tree Sparrow, 81 (est.); Song Sparrow, 2. **Total,** 25 species; about 872 individuals. (Seen in area during census week: Pileated Woodpecker, 1; Barred Owl, 1; Eastern Meadowlark, 1.)—E. H. Donahue, S. W. Eaton (compiler), L. Keenan, F. Liegey, D. K. Parsons, E. K. Parsons, F. G. Meyer, R. Werrlein.

91. Port Chester, N. Y.—Greenwich–Stamford, Conn. (same area as last 32 years).—Jan. 2; 6 a.m. to 6 p.m. Clear; temp. 26° to 36°; wind NW, 5-10 m.p.h.; ponds frozen, reservoirs open. One hundred and eleven observers (73 in 11 parties and 38 at feeding stations). Total party-hours, 109 (79 on foot, 30 by car); total party-miles, 586 (104 on foot, 482 by car). Common Loon, 11; Red-throated Loon, 24; Red-necked Grebe, 3; Horned Grebe, 191; Pied-billed Grebe, 7; European Cormorant, 21; Great Blue Heron, 31; Yellow-crowned Night Heron, 1 (P.C.S., J.M.); Black-crowned Night Heron, 80; Mute Swan, 27; Canada Goose, 247; Mallard, 794; Black Duck, 2490; Am. Widgeon, 3; Wood Duck, 1; Greater Scaup, 11,600 (est.); Lesser Scaup, 1 (R.H.); Am. Golden-eye, 317; Buffle-head, 156; Old-squaw, 224; White-winged Scoter, 775; Surf Scoter, 37; Ruddy Duck, 12; Hooded Merganser, 59; Am. Merganser, 124; Red-breasted Merganser, 266; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 20; Marsh Hawk, 1; Pigeon Hawk, 1 (P.C.S., J.M.); Sparrow Hawk, 8; Ruffed Grouse, 2; Ring-necked Pheasant, 10; Clapper Rail, 5; Am. Coot, 10; Killdeer, 39; Greater Yellow-legs, 2; Purple Sandpiper, 1; Great Black-backed Gull, 22; Herring Gull, 3480; Ring-billed Gull, 41; Bonaparte's Gull, 1; Mourning Dove, 291; Barn Owl, 1; Screech Owl, 1; Horned Owl, 3; Snowy Owl, 1; Barred Owl, 7; Long-eared Owl, 1; Short-eared Owl, 1; Saw-whet Owl, 2; Belted Kingfisher, 13; Yellow-shafted Flicker, 24; Pileated Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 48; Downy Woodpecker, 194; Eastern Phoebe, 1; Horned Lark, 28; Tree Swallow, 2; Blue Jay, 374; Am. Crow, 892; Fish Crow, 2; Black-capped Chickadee, 943; Tufted Titmouse, 20; White-breasted Nuthatch, 204; Brown Creeper, 18; Winter Wren, 12; Catbird, 2; Am. Robin, 21; Hermit Thrush, 3; Eastern Bluebird, 120; Golden-crowned Kinglet, 88; Ruby-crowned Kinglet, 8; Water Pipit, 3; Cedar Waxwing, 63; Common Starling, 1988; Myrtle Warbler, 257; House Sparrow, 910; Eastern Meadowlark, 76; Red-winged Blackbird, 3; Purple Grackle, 6; Brown-headed Cowbird, 17; Cardinal, 35; Dickcissel, 1; Purple Finch, 90; House Finch, 59; Common Redpoll, 3; Pine Siskin, 22; Am. Goldfinch, 364; Eastern Towhee, 3; Savannah Sparrow, 8; Slate-colored Junco, 957; Am. Tree Sparrow, 578; Chipping Sparrow, 5; Field Sparrow, 6; White-crowned Sparrow, 1 [no details—Ed.]; White-throated Sparrow, 433; Fox Sparrow, 9; Swamp Sparrow, 6; Song Sparrow, 152. **Total,** 102 species; 30,543 individuals. (Seen during period: Ring-necked Duck, 20; Goshawk, 1; Sharp-shinned Hawk, 1; Brown Thrasher, 1; Yellow-breasted Chat, 1.)—A. and G. Anable, I. Behrendt, G. Bent, L. Bradley, L. Brown, Mr. and Mrs. M. Brown, M. Burow, J. Coggeshall, W. Cook, G. Coven, Mr. and Mrs. S. Cutting, V. Cypher, L. Dickenson, R. Duncan, P. Eagan, E. Eager, E. Easton,

W. Fennell, G. Fiero, D. Garrity, W. Geis, Mr. and Mrs. F. Goodhue, G. Halpern, R. Hamershlag, J. Harte, W. Hastings, E. Hirshberg, R. Hornblower, J. Jessup, W. Jessup, D. and J. Jordan, E. King, H. Laire, T. Lanz, R. Lemmon, E. Luhde, W. Lustberg, E. S. Manning, J. Maples, D. McDougall, P. Milliken, C. Mohr (compiler), K. Morrison, K. Morrison, Sr., J. Moxhay, S. Myers, E. Nettleton, J. Norgren, A. Nyquist, M. Oboiko, D. Patt, E. Pickhardt, H. Reid, J. Richardson, M. Roesler, W. Russell, E. Schofield, A. Schulman, W. Scofield, F. Shepard, B. and T. Shortell, G. Simmons, S. Simmons, P. C. Spofford, Mr. and Mrs. F. Steinhardt, L. Van DeBoe (Greenwich Audubon Society, assisted by Bedford, Scarsdale, Saw Mill River, and Westport Audubon Societies and E. P. Felt Nature Club).

92. **Rochester, N. Y.** (7½-mile radius centering on Dewey Ave. and Stone Rd. as in 1952).—Dec. 27; 5:30 a.m. to 6 p.m. Cloudy with occasional sun; temp. 23° to 36°; wind variable, less than 5 m.p.h.; 0-1-in. snow on ground; ponds frozen, Lake Ontario and bays open. Forty-seven observers in 20 parties. Total party-hours, 111 (72 on foot, 39 by car); total party-miles, 541 (89 on foot, 452 by car). Common Loon, 1; Red-throated Loon, 2; Red-necked Grebe, 1; **Horned Grebe,** 5; Pied-billed Grebe, 1; Canada Goose, 37; Mallard, 63; Black Duck, 190 (100 est., 90); Pintail, 2; Wood Duck, 1; Greater Scaup, 15; Lesser Scaup, 10; Am. Golden-eye, 462 (150 est., 312); **Old-squaw,** 794 (725 est., 69); **Harlequin Duck,** 1 (seen in Lake Ontario with a flock of Am. Golden-eyes by numerous observers); White-winged Scoter, 1; Hooded Merganser, 2; **Am. Merganser,** 1303 (1220 est., 83); **Red-breasted Merganser,** 1203 (1150 est., 53); Cooper's Hawk, 1; **Red-tailed Hawk,** 18; Rough-legged Hawk, 2; Marsh Hawk, 9; Sparrow Hawk, 18; Ring-necked Pheasant, 392 (300 est., 92); Virginia Rail, 1 (H.V.B.); Glaucous Gull, 1; **Great Black-backed Gull,** 114 (10 est., 104); Herring Gull, 5616 (5610 est., 6); Ring-billed Gull, 3776 (3715 est., 61); Bonaparte's Gull, 115; Mourning Dove, 5; **Screech Owl,** 23; **Horned Owl,** 13; Snowy Owl, 2; Long-eared Owl, 2; Short-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 27; Downy Woodpecker, 60; **Arctic Woodpecker,** 1 (observed for 10 min. at close range in good light—W.M.); Horned Lark, 29 (25 est., 4); Blue Jay, 30; Am. Crow, 3911 (3800 est., 111); Black-capped Chickadee, 238 (10 est., 228); White-breasted Nuthatch, 34; Red-breasted Nuthatch, 12; Brown Creeper, 8; Winter Wren, 4; Carolina Wren, 1 (species increasing here); Long-billed Marsh Wren, 4; **Mockingbird,** 1 (present at feeder for 5-6 weeks—Mr. and Mrs. T.S.); Catbird, 1; Am. Robin, 5; Hermit Thrush, 2; Golden-crowned Kinglet, 50; **Bohemian Waxwing,** 1 (larger size, gray color, and call noted —W.L.G.E.); Cedar Waxwing, 139; **Gray Shrike,** 7; Common Starling, 1323 (1305 est., 18); **Myrtle Warbler,** 13; House Sparrow, 554 (510 est., 44); Eastern Meadowlark, 1; Red-winged Blackbird, 10; Rusty Blackbird, 32 (30 est., 2) (with Red-wings in wooded swampy area and unfrozen cattail marsh); **Cardinal,** 60; Purple Finch, 6; Pine Siskin, 16; Am. Goldfinch, 34; **White-winged Crossbill,** 3; Slate-colored Junco, 111 (40 est., 71); Am. Tree Sparrow, 484 (160 est., 324); White-throated Sparrow, 8; **Swamp Sparrow,** 45 (25 est., 20); Song Sparrow, 33; Snow Bunting, 113 (55 est., 58). **Total,** 77 species; about 21,624 individuals.—R. Adamus, Dr. C. F. H. Allen, T. Barry, D. Bieber, H. Clancy, H. E. Clements, J. W. Corcoran, J. J. Conway, Jr., G. Davis, R. Dobson, R. E. Dolan, R. J. Dolan, W. L. G. Edson, H. Foster, R. Hartwell, Dr. and Mrs. R. Hellmann, Mr. and Mrs. A. Kemnitzer, A. Klonick, Dr. G. Leubner, W. Listman, E. McCarthy, R. McKinney, H. Miller, A. Millikan, Dr. and Mrs. N. Moon, Dr. W. Muchmore, R. Ness, D. Nelson, R. O'Hara, G. Rising, A. Secker, D. and R. Simons, Mr. and Mrs. T. Stanley, R. Sywalski, Dr. L. and A. Tanghe, Mr. and Mrs. J. Taylor, H. VanBeurden, M. Weaver, Mr. and Mrs. E. White (Genesee Ornithological Society and Burroughs-Audubon Nature Club).

93. **Rockland County, N. Y.** (center of circle shifted 1 mile to southeast from county courthouse at New City; otherwise, area and habitat coverage same as 1950 and subsequent years).—Dec. 26; 6:15 a.m. to 5:15 p.m. Partly cloudy; temp. 22° to 42°; wind W to SW, 13-15 m.p.h.; ground bare, small ponds frozen. Thirty-two observers in 8 parties. Total party-hours, 92¾ (74¾ on foot, 18 by car); total party-miles, 453 (77 on foot, 376 by car). Horned Grebe, 3; **Pied-billed Grebe,** 8; Mute Swan, 1; Mallard, 9; Black Duck, 185; Ring-necked Duck, 25; Canvasback, 500+; Am. Golden-eye, 41; **Old-squaw,** 1 (C.K.N., C.M.N.); Ruddy Duck, 131; Am. Merganser, 390; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Bald Eagle, 4; Marsh Hawk, 2; Peregrine Falcon, 2; Sparrow Hawk, 13; Ruffed Grouse, 1; Killdeer, 3; Great Black-backed Gull, 10; Herring Gull, 643; Ring-billed Gull, 5; Mourning Dove, 18; Belted Kingfisher, 9; Yellow-shafted Flicker, 11; Pileated Woodpecker, 2; Hairy Woodpecker, 25; Downy Woodpecker, 93; Blue Jay, 297; Am. Crow, 654; Black-capped Chickadee, 409; Tufted Titmouse, 134; White-breasted Nuthatch, 93; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 6; **Mockingbird,** 1; Catbird, 2; Am. Robin, 27; Hermit Thrush, 2; Eastern Bluebird, 16 (very low); Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 1; Cedar Waxwing, 1; Common Starling, 991; Myrtle Warbler, 162; House Sparrow, 664; Eastern Meadowlark, 6; Red-winged Blackbird, 3; **Rusty Blackbird,** 25; **Purple Grackle,** 2; Cardinal, 80; Purple Finch, 49; Am. Goldfinch, 268; Eastern Towhee, 4; Slate-colored Junco, 799; Am. Tree Sparrow, 441; Field Sparrow, 11; White-throated Sparrow, 308; Fox Sparrow, 9; Swamp Sparrow, 3; Song Sparrow, 114. **Total,** 64 species; 7772+ individuals.—Mrs. Jack Anderson, Mr. and Mrs. Edmund G. Barron, Mrs. Earl Brown, Eugene R. Brown, Mr. and Mrs. H. E. Buck, Robert F. Deed (compiler), Mary Doscher, Dr. Marjorie R. Hopper, Mr. and Mrs. William G. Irving, Homer S. Kelsey, Mr. and Mrs. Irving Kennedy, John Kenney,

Edward Kincaid, Herman Kretschmar, Mrs. Richard B. Lyman, Dorothy Lyman, Janet Lyman, Richard B. Lyman, Jr., Charles K. Nichols, C. Maynard Nichols, John C. Orth, Martin Sickels, Mr. and Mrs. Frank Steffens, W. F. Sehring, Helene Tietz, Mrs. Estelle Walter, Thomas C. Wilfred (Rockland Audubon Society).

94. Saranac Lake, N. Y. (village of Saranac Lake and environs; open farmland 20%, town and suburbs 20%, river borders 10%, mixed deciduous and coniferous woodland 40%, blueberry meadows 10%).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 4° to 16°; wind SW, 5-6 m.p.h.; 2-in. fresh light snow; lakes frozen, Saranac River open in spots; spruce, cedar, hemlock and larch cone crop good. Three observers in 1 party. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 42 (8 on foot, 34 by car). Ruffed Grouse, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 9; Horned Lark, 9 (including 3 Northern—G.M.M.); Blue Jay, 17; Am. Crow, 3; Black-capped Chickadee, 143; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 12; Brown Creeper, 3; Golden-crowned Kinglet, 1; Common Starling, 4; House Sparrow, 9; **Evening Grosbeak,** 199; Purple Finch, 43; Pine Siskin, 57; Am. Goldfinch, 31; Red Crossbill, 12; White-winged Crossbill, 42; Slate-colored Junco, 1; Am. Tree Sparrow, 21; Snow Bunting, 93. **Total,** 23 species (1 additional subspecies); 729 individuals. (Seen in area Dec. 23: Herring Gull, 1; Jan. 8: Eastern Meadowlark, 18.)—Gordon M. Meade, James B. Meade, Carl G. Merkel, and several feeding station operators.

95. Schenectady, N. Y. (same area as in 1929 and subsequent counts; urban and suburban 5%, farmyards 5%, open farmland 40%, light deciduous woods 20%, mixed deciduous and evergreen woods 10%, brushy hillsides and ravines 10%, cattail marshes 10%).—Dec. 26; 7 a.m. to 9 p.m. Partly cloudy, to cloudy; temp. 24° to 38°; wind S, 4-8 m.p.h.; no snow; surface thawed; river and reservoir partly open, ponds frozen, most small streams open. Twenty-two observers in 7 parties. Total party-hours, 47 (30 on foot, 17 by car); total party-miles, 189 (33 on foot, 156 by car). Great Blue Heron, 1; Black Duck, 3; **Old-squaw,** 1; Am. Merganser, 10; Cooper's Hawk, 1; Red-tailed Hawk, 2; **Bald Eagle,** 1; Marsh Hawk, 2; Sparrow Hawk, 8; Ruffed Grouse, 4; Ring-necked Pheasant, 25; Killdeer, 1; Herring Gull, 8; Mourning Dove, 91 (73 together); Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 5; Hairy Woodpecker, 22; Downy Woodpecker, 36; Horned Lark, 4; Blue Jay, 69; Am. Crow, 382; Black-capped Chickadee, 221; **Tufted Titmouse,** 1 (regularly at feeders; then found dead—B.D.M.); White-breasted Nuthatch, 40; Brown Creeper, 5; Winter Wren, 6; **Catbird,** 1 (regularly at feeder—S.P.); Golden-crowned Kinglet, 35; Common Starling, 1266; House Sparrow, 523; Red-winged Blackbird, 2; Purple Grackle, 2 (regularly at feeder—R.M.B.); Purple Finch, 19; Am. Goldfinch, 82; Vesper Sparrow, 1; Slate-colored Junco, 128; Am. Tree Sparrow, 674; Swamp Sparrow, 3; Song Sparrow, 18. **Total,** 42 species; 3708 individuals. (Also: 1 Gray Shrike, Dec. 25; 2 Am. Robin, Jan. 1; 1 imm. Baltimore Oriole at feeder, Dec. 29 and on—C.G.G.)—Guy Bartlett, Mrs. R. M. Brockway, Mr. and Mrs. R. E. Eitelman, Mrs. C. G. Grace, Byron T. Hipple, Jr., Alice Holmes, Samuel R. Madison, Dr. and Mrs. Malcolm E. McDonald (compilers), B. D. Miller, P. Schuyler Miller, Stephanie Podrazik, Agathe Schuurmann, Mr. and Mrs. E. W. Scott, Nellie Silliman, Rudolph Stone, Donald Tucker, Frazer R. Turrentine, Nelle G. Van Vorst, Robert Yunick (Schenectady Bird Club, Inc.).

96. Staten Island, N. Y. C. (woodland 20%, open fields 20%, salt-water marsh 25%, seashore 35%).—Dec. 27; 8 a.m. to 5 p.m. Clear; good visibility; temp. 30° to 40°; wind NW, 3-5 m.p.h. Seventeen observers in 5 parties. Total party-hours, 45 (36 on foot, 9 by car); total party-miles, 149 (23 on foot, 126 by car). Red-throated Loon, 1; Horned Grebe, 39; Double-crested Cormorant, 5; Black-crowned Night Heron, 15; Mallard, 35; Black Duck, 663; Pintail, 2; Wood Duck, 3; Greater Scaup, 3325; Am. Golden-eye, 28; Buffle-head, 65; Old-squaw, 14; White-winged Scoter, 15; Am. Scoter, 2; Ruddy Duck, 2; Hooded Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 13; Ring-necked Pheasant, 8; Clapper Rail, 3; Killdeer, 35; Am. Woodcock, 8; Wilson's Snipe, 3; Least Sandpiper, 1 (Ellison); Sanderling, 11; Great Black-backed Gull, 29; Herring Gull, 12,000 (est.); Ring-billed Gull, 3; Laughing Gull, 23; Bonaparte's Gull, 277; Mourning Dove, 16; Barn Owl, 2; Screech Owl, 3; Yellow-shafted Flicker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 40; Horned Lark, 47; Blue Jay, 15; Am. Crow, 239; Black-capped Chickadee, 37; White-breasted Nuthatch, 20; Brown Creeper, 1; Winter Wren, 2; Catbird, 1; Am. Robin, 5; Golden-crowned Kinglet, 2; Cedar Waxwing, 8; Common Starling, 594; Myrtle Warbler, 36; House Sparrow, 108; Eastern Meadowlark, 4; Red-winged Blackbird, 47; Rusty Blackbird, 32 [no details—Ed.]; Purple Grackle, 2; Cardinal, 39; Am. Goldfinch, 11; Savannah Sparrow, 4; Sharp-tailed Sparrow, 1; Slate-colored Junco, 157; Am. Tree Sparrow, 144; Field Sparrow, 9; White-throated Sparrow, 96; Swamp Sparrow, 17; Song Sparrow, 115. **Total,** 67 species; about 18,487 individuals.—Howard H. Cleaves, Roger Christiansen, Lee A. Ellison, Henry F. Flamm, Bruce Gordon, Vera Gordon, Fred W. Hopping, William H. Lea, Arthur Nelson, Charles Pearson, Muriel Pearson, Casimir Redjives, Thomas Schleich, Miriam Stryker, Clara Taylor, Mathilde P. Weingartner (compiler), Dr. James L. Whitehead (Section of Natural History, Staten Island Museum).

97. Syracuse, N. Y. (Oneida Lake south to Clark Reservation, and Onondaga Lake east to Green Lakes State Park; lakes 20%, deciduous woods 30%, coniferous woods 10%, brushy and open fields 35%, suburbs 5%).—Dec. 27; 6:30 a.m. to 6:30 p.m.

Partly cloudy; temp. 24° to 33°; wind SW, 0-2 m.p.h.; 1-in. frozen snow, some ice, shallow lakes frozen, deep lakes open. Twelve observers in 6 parties. Total party-hours, 90 (38 on foot, 52 by car); total party-miles, 260 (50 on foot, 210 by car). Common Loon, 3; Horned Grebe, 10; Pied-billed Grebe, 2; Mallard, 2; Black Duck, 85; Redhead, 20; Ring-necked Duck, 2; Canvas-back, 650 (est.); Greater Scaup, 400 (est.); Am. Golden-eye, 124; Old-squaw, 2; Am. Merganser, 450 (est.); Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 8; Marsh Hawk, 8; Sparrow Hawk, 10; Ruffed Grouse, 8; Ring-necked Pheasant, 37; Great Black-backed Gull, 6; Herring Gull, 150 (est.); Ring-billed Gull, 6; Mourning Dove, 11; Screech Owl, 2; Horned Owl, 3; Snowy Owl, 1; Short-eared Owl, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 32; Blue Jay, 37; Am. Crow, 200 (est.); Black-capped Chickadee, 150; White-breasted Nuthatch, 16; Brown Creeper, 1; Golden-crowned Kinglet, 9; Cedar Waxwing, 66; Gray Shrike, 2; Common Starling, 1000 (est.); House Sparrow, 200 (est.); Purple Grackle, 1; Cardinal, 12; Purple Finch, 62; Common Redpoll, 10; Pine Siskin, 4; Am. Goldfinch, 76; Slate-colored Junco, 40; Am. Tree Sparrow, 150 (est.); White-throated Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 6; Snow Bunting, 300 (est.). **Total,** 55 species; 4405 (3700 est. + 687 counted) individuals. (Seen in area Dec. 26: Robin, 1; seen in closely adjacent area: Barred Owl, Evening Grosbeak, 2.)—James Ashley, Angus M. Brown, Dr. B. J. Burtt, Mrs. Orry Evans, Stanton Ernst, Mr. and Mrs. Verne Mathis, Jean Moe, Fritz Scheider, Dr. W. R. Spofford (compiler), Dr. LeRoy Stegeman, Dr. William Webb (Onondaga Audubon Society).

98. Troy, N. Y. (same area as in 1950 and subsequent counts; more than half of mileage along open water; urban and suburban 20%, open farmland 30%, brushland 10%, light deciduous woods 15%, mixed deciduous and evergreen woods 10%, cattail marshes 15%).—Dec. 27; 8 a.m. to 4 p.m. Partly cloudy; temp. 20° to 30°; wind N, 0-10 m.p.h.; no snow; Hudson River open; reservoir, other rivers and streams partly open; ponds frozen. Four observers in 2 parties. Total party-hours, 12 (4 on foot, 8 by car); total party-miles, 91 (10 on foot, 81 by car). Common Loon, 2; Canada Goose, 10; Mallard, 19; Black Duck, 290; **Green-winged Teal,** 2; **scaup** (sp.?), 5; Am. Golden-eye, 1; Old-squaw, 2; Am. Merganser, 55; Red-tailed Hawk, 2; **Bald Eagle,** 3 (together); Peregrine Falcon, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Herring Gull, 259; Ring-billed Gull, 40; Mourning Dove, 3; Belted Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 3; Am. Crow, 31; Black-capped Chickadee, 40; Golden-crowned Kinglet, 4; Common Starling, 86; House Sparrow, 132; Red-winged Blackbird, 3; Am. Goldfinch, 8; Vesper Sparrow, 1; Slate-colored Junco, 8; Am. Tree Sparrow, 134; Swamp Sparrow, 3; Song Sparrow, 2. **Total,** 34 species; 1161 individuals.—G. Malcolm Andrews, Guy Bartlett, Mr. and Mrs. Byron T. Hipple, Jr. (Schenectady Bird Club, Inc.).

99. Watertown, N. Y. (same area as 16 previous counts, 7½-mile radius centering on Public Square; wooded 30%, farmland 30%, swamps 20%, park, city streets, and river bank 20%).—Dec. 26; 7:30 a.m. to 4 p.m. Cloudy; temp. 28° to 32°; wind SW, 20 m.p.h.; 2-in. light snow and 3 inches more fell in p.m.; much open water in streams. Forty observers in 16 parties. Total party-hours, 45 (39 on foot, 6 by car); total party-miles, 140 (38 on foot, 102 by car). Mallard, 20; Black Duck, 8; Lesser [Greater? —Ed.] Scaup, 40; Am. Golden-eye, 3; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 5; European Partridge, 22; Ring-necked Pheasant, 3; Great Black-backed Gull, 2; Herring Gull, 320; Ring-billed Gull, 1; Horned Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 11; Blue Jay, 14; Am. Crow, 1; Black-capped Chickadee, 117; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown Creeper, 2; Golden-crowned Kinglet, 3; Common Starling, 603; House Sparrow, 344; Eastern Meadowlark, 6; Purple Finch, 4; Am. Goldfinch, 44; Slate-colored Junco, 8; Am. Tree Sparrow, 35; Snow Bunting, 8. **Total,** 33 species; about 1650 individuals. (Dec. 27: Gray Shrike; Dec. 30: Belted Kingfisher.)—John B. Belknap, Mr. and Mrs. Harold Besha, Mrs. Joseph Blake, Jr., Joseph Blake 3d, Elizabeth Brown, Frank A. Clinch (compiler), Dorothy Clinch, Marie Elitharp, Joseph Ellis, Jr., Lunette Fitzsimonds, Nancy Henderson, Margaret Illsley, Ruth Mereand and six 4-H girls, Howard Mann, Mr. and Mrs. Robert Nelson, Jane Naughton, Rev. and Mrs. Leslie Potter, Arthur Salisbury, Arthur, Jr., Danny, and Nancy Salisbury, Erma Schell, Mr. and Mrs. N. S. Sherman, Carol and Cindy Sherman, Mrs. Richard Taylor, Mrs. Howard Vrooman, Harold and Mary Ellen Wiley, John E. Wilson (North Country Bird Club).

100. Watkins Glen, N. Y. (7½-mile radius, centering on Franklin and 4th Sts., including Seneca Lake waterfront, marsh area, State Park, Salt Point Rd., E. Lake Rd., W. Lake Rd.; open fields 55%, deciduous and evergreen woods 20%, lake front 15%, marsh area 5%, town suburbs 5%).—Jan. 2; 8 a.m. to 5 p.m. Cloudy; temp. 20° to 30°; wind S to SE, 5-15 m.p.h.; ground bare with some patches of snow; streams frozen, Seneca Lake open. Nine observers in 6 parties. Total party-hours, 23 (19 on foot, 4 by car); total party-miles, 55 (22 on foot, 33 by car). Horned Grebe, 4; Black Duck, 5; Ruffed Grouse, 3; Ring-necked Pheasant, 7; Great Black-backed Gull, 1; Herring Gull, 252; Ring-billed Gull, 18; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 8; Am. Crow, 4; Black-capped Chickadee, 86; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Brown Creeper, 3; Golden-crowned Kinglet, 11; Common Starling, 12; House Sparrow, 184; Red-winged Blackbird, 25; Purple Grackle, 6; Brown-headed Cowbird, 11; Cardinal, 8; Purple Finch, 2; Am. Goldfinch, 6; Slate-colored Junco, 12; Am. Tree

Sparrow, 27. **Total,** 26 species; 716 individuals. (Seen in area Dec. 28: Mourning Dove, 1; Jan. 1: Screech Owl, 1; Jan. 3: Sparrow Hawk, 1; Song Sparrow, 1.)—Mrs. L. J. Beardsley, Mrs. J. B. Darling, Miss L. Helfer, Jack Brubaker, Mrs. Frank Brown, Morris, Michael and Susan Bardeen, Jamesine H. Bardeen (compiler).

101. Barnegat, N. J. (same area as in 1946 and subsequent counts).—Jan. 2; 5 a.m. to 6 p.m. Clear; temp. 30° to 42°; wind SW, 0-8 m.p.h.; ground bare; bay and ponds open. Twenty-nine observers in 7 parties. Total party-hours, 62 (47 on foot, 15 by car); total party-miles, 226 (45 on foot, 181 by car). Common Loon, 45; Red-throated Loon, 108; Red-necked Grebe, 3; **Horned Grebe,** 771; Pied-billed Grebe, 17; Gannet, 12; European Cormorant, 2; Double-crested Cormorant, 38; Great Blue Heron, 36; Am. Bittern, 1; Canada Goose, 6; **Am. Brant,** 20,000 (est.); Mallard, 14; Black Duck, 2623; Am. Widgeon, 20; Pintail, 4; Wood Duck, 1; Redhead, 20; Ring-necked Duck, 2; Canvas-back, 1; Greater Scaup, 1750 (est.); Am. Golden-eye, 247; Buffle-head, 89; Old-squaw, 676; **King Eider,** 2 (J.B., A.N.); White-winged Scoter, 14; Surf Scoter, 13; Am. Scoter, 33; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 3; Red-breasted Merganser, 309; Turkey Vulture, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 3; Rough-legged Hawk, 12; Bald Eagle, 1; Marsh Hawk, 12; Sparrow Hawk, 4; Ruffed Grouse, 1; Bob-white, 6; Ring-necked Pheasant, 1; Clapper Rail, 4; **Piping Plover,** 7 (species has wintered at Beach Haven Pt. for last 5 years); Killdeer, 3; Black-bellied Plover, 57; Greater Yellow-legs, 2; Red Knot, 25; Purple Sandpiper, 100 (est.); Red-backed Sandpiper, 4051; Semipalmated Sandpiper, 41; Sanderling, 170; Great Black-backed Gull, 89; Herring Gull, 2033; Ring-billed Gull, 362; Laughing Gull, 9; Bonaparte's Gull, 253; **Black-legged Kittiwake,** 1 (L.L.W.); **Razor-billed Auk,** 1 (D.S.); **Dovekie,** 1 (L.L.W.); Mourning Dove, 86; Barn Owl, 2; Screech Owl, 3; Horned Owl, 1; Barred Owl, 2; Short-eared Owl, 6; **Saw-whet Owl,** 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; Hairy Woodpecker, 5; Downy Woodpecker, 23; Horned Lark, 45; Tree Swallow, 2; Blue Jay, 47; Am. Crow, 133; Fish Crow, 7; Black-capped Chickadee, 5; Carolina Chickadee, 69; Tufted Titmouse, 16; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 15; Mockingbird, 3; Catbird, 5; Brown Thrasher, 9; Am. Robin, 313; Hermit Thrush, 24; Eastern Bluebird, 18; Golden-crowned Kinglet, 12; Water Pipit, 10; Cedar Waxwing, 10; Gray Shrike, 1; Common Starling, 600 (est.); Myrtle Warbler, 830; **Yellow-breasted Chat,** 1 (C.H., F.F., N.N.); House Sparrow, 200; Eastern Meadowlark, 96; Red-winged Blackbird, 18; Brown-headed Cowbird, 21; Cardinal, 23; Purple Finch, 14; Pine Siskin, 9; Am. Goldfinch, 42; Ipswich Sparrow, 10; Savannah Sparrow, 96; Sharp-tailed Sparrow, 9; Seaside Sparrow, 2; Slate-colored Junco, 61; Am. Tree Sparrow, 125; Field Sparrow, 8; White-throated Sparrow, 137; Fox Sparrow, 6; Swamp Sparrow, 29; Song Sparrow, 132; Lapland Longspur, 1; Snow Bunting, 40. **Total,** 118 species; about 37,543 individuals. Highest count since count started in 1925. —J. Baird, F. Baumle, R. Burkhart, S. Chynoweth, H. Drinkwater, D. Fables, F. Frazer, C. Hetzel, S. Hopkins, J. Jubon, W. Kennedy, C. Lincoln, L. McQueen, A. Newberry, N. Niosi, W. Osborn, H. Ross, R. Sakos, D. Sharpe, H. Redden, R. S. Thorsell (compiler), F. Van Sant, Jr., E. Walsh, L. L. Walsh, C. Weisel, F. Wolfarth, D. and G. Woolfenden, N. Wyckoff.

102. Boonton, N. J. (an area not exceeding a 15-mile diameter with Troy Hills the center; deciduous woodland 30%, open marsh 20%, wooded swamp 20%, pasture and farmland 15%, miscellaneous 15%). —Dec. 27; 5 a.m. to 5 p.m. Fair; temp. 32° to 40°; wind NW, 15-30 m.p.h.; ground bare; reservoir open, lakes partially so, rivers normal. Twenty-seven observers in 7 parties. Total party-hours, 70 (30 on foot, 40 by car); total party-miles, 180 (60 on foot, 120 by car). Common Loon, 1; Horned Grebe, 2; Pied-billed Grebe, 18; Am. Bittern, 1; Mute Swan, 35; Mallard, 52; Black Duck, 437; Gadwall, 17; Am. Widgeon, 108; Green-winged Teal, 3; Blue-winged Teal, 1 (probable cripple, capable of only short flights—R.T.); Wood Duck, 12; Ring-necked Duck, 31; Canvas-back, 1; Greater Scaup, 3; Am. Golden-eye, 12; Buffle-head, 2; Ruddy Duck, 40; Hooded Merganser, 3; Am. Merganser, 246; Red-breasted Merganser, 1; Turkey Vulture, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 15; Marsh Hawk, 2; Sparrow Hawk, 12; Ruffed Grouse, 5; Bob-white, 3; Ring-necked Pheasant, 2; King Rail, 1 (observed since Nov.—R.T.); Virginia Rail, 2; **Sora,** 1 (seen at close range near dump on edge of Troy Meadows—C.H.); Am. Coot, 1; Killdeer, 16; Herring Gull, 14; Ring-billed Gull, 1; Mourning Dove, 19; Screech Owl, 15; Horned Owl, 8; Barred Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 31; Pileated Woodpecker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 100; Eastern Phoebe, 2; Horned Lark, 23 (both Northern and Prairie identified); Blue Jay, 189; Am. Crow, 9609 (9000 est. roosting flock, plus 609 daytime); Fish Crow, 2; Black-capped Chickadee, 214; Tufted Titmouse, 68; White-breasted Nuthatch, 66; Brown Creeper, 8; Winter Wren, 6; Carolina Wren, 1; Long-billed Marsh Wren, 2; Catbird, 1; Am. Robin, 3; Hermit Thrush, 5; Eastern Bluebird, 10; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 2; Water Pipit, 2; Cedar Waxwing, 7; Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 3748 (est.); Myrtle Warbler, 8; House Sparrow, 750 (est.); Eastern Meadowlark, 68; Red-winged Blackbird, 67; Rusty Blackbird, 40; Purple Grackle, 1; Brown-headed Cowbird, 60; Cardinal, 42; Dickcissel, 1; Purple Finch, 17; Am. Goldfinch, 359; Savannah Sparrow, 28; Vesper Sparrow, 1; Slate-colored Junco, 331; Am. Tree Sparrow, 1337; Field Sparrow, 18; White-throated Sparrow, 192; Fox Sparrow, 4; Swamp Sparrow, 168; Song Sparrow, 427. **Total,** 91 species (1 additional subspecies); about 19,228 individuals.—R. Barton, J. Bennett, C. D. Brown,

J. B. Crowell, G. D. Davenport, F. De Hart, R. De Hart, J. L. Edwards, A. E. Eynon, Mrs. C. Franklin, F. Frazier, Jr., E. Gould, C. Hetzel, L. Hilton, S. Hopkins, J. Jehl, Jr., D. Kunkle, G. Laubinger, C. Lincoln, J. Mann, A. T. Newberry, C. H. Nichols, N. Niosi, A. Peterson, R. Thorsell, H. M. Van Deusen, F. P. Wolfarth (compiler).

103. Bridgeton, N. J. (7½-mile radius centering at Cedarville and including Sea Breeze and Fortescue on Delaware Bay; all observations in Cumberland County; suburbs 1%, mixed woodland 10%, salt marsh 30%, plowed land 40%, fresh-water ponds and streams 15%, salt water 4%).—Dec. 26; 6:15 a.m. to 5 p.m. Partly cloudy; temp. 20° to 40°; wind NW, 10-15 m.p.h.; ground lightly frozen, ice on ponds. Ten observers in 4 parties. Total party-hours, 29 (10 on foot, 19 by car); total party-miles, 130 (18 on foot, 104 by car, 8 by boat). Pied-billed Grebe, 20; Great Blue Heron, 19; Canada Goose, 4; Snow Goose, 25,000+; Mallard, 11; Black Duck, 721; Gadwall, 1; Pintail, 8; Green-winged Teal, 22; Shoveller, 2; Wood Duck, 1; Ring-necked Duck, 29; Canvas-back, 3; Buffle-head, 6; Hooded Merganser, 1; Am. Merganser, 2; Turkey Vulture, 120; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 4; Marsh Hawk, 30; Peregrine Falcon, 1; Sparrow Hawk, 20; Ruffed Grouse, 1; Bob-white, 12; Ring-necked Pheasant, 6; Am. Coot, 1; Killdeer, 58; Black-bellied Plover, 1; Wilson's Snipe, 1; Greater Yellow-legs, 1; Red-backed Sandpiper, 53; Herring Gull, 621; Ring-billed Gull, 3; Mourning Dove, 107; Screech Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 1; Downy Woodpecker, 11; Horned Lark, 70; Blue Jay, 51; Am. Crow, 606; Carolina Chickadee, 64; Tufted Titmouse, 28; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 11; Mockingbird, 4; Brown Thrasher, 1; Am. Robin, 99; Hermit Thrush, 3; Eastern Bluebird, 9; Golden-crowned Kinglet, 33; Water Pipit, 200; Cedar Waxwing, 2; Loggerhead Shrike, 3; Common Starling, 1593; Myrtle Warbler, 66; Pine Warbler, 1; Palm Warbler, 2; House Sparrow, 422; Eastern Meadowlark, 128; Red-winged Blackbird, 949; Rusty Blackbird, 5; Purple Grackle, 1250; Brown-headed Cowbird, 130; Cardinal, 38; Dickcissel, 1; Am. Goldfinch, 115; Eastern Towhee, 1; Savannah Sparrow, 6; Vesper Sparrow, 1; Slate-colored Junco, 130; Am. Tree Sparrow, 11; Field Sparrow, 105; White-throated Sparrow, 480; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 69. **Total,** 83 species; about 33,620 individuals.—Richard Barber, Mr. and Mrs. Leroy Cossaboon, Rev. Garrett S. Detwiler, Bennett K. Matlack (compiler), Mrs. Leslie E. Myatt, Mrs. Frank Parker, Santo J. Salvo, Mrs. Neal Slack, Ivan Sutton.

104. Cape May, N. J. (7½-mile radius centering at Rio Grande, Cape May County; salt marshes 15%, cultivated land 15%, sand beach 5%, woodland 15%, ocean bay 50%).—Jan. 3; 4:30 a.m. to 5:30 p.m. Intermittent rain, clear until an hour after sunrise, cloudy rest of day; temp. 42° to 48°; wind variable. Sixty-eight observers in 10 parties. Total party-hours, 80 (60 on foot, 20 by car); total party-miles, 450 (150 on foot, 300 by car, 15 by motor boat). Common Loon, 15; **Red-throated Loon,** 85; Red-necked Grebe, 1; Horned Grebe, 379; Pied-billed Grebe, 105; Gannet, 13; Double-crested Cormorant, 4; Great Blue Heron, 77; **Am. Egret,** 43; **Snowy Egret,** 10; **Louisiana Heron,** 9; **Little Blue Heron,** 68; Black-crowned Night Heron, 177; Am. Bittern, 5; Canada Goose, 57; Am. Brant, 10,000 (est.); Mallard, 20; Black Duck, 837; Am. Widgeon, 82; Pintail, 30; Green-winged Teal, 12; Wood Duck, 2; Redhead, 1; Ring-necked Duck, 3; Greater Scaup, 119; Lesser Scaup, 3; Am. Golden-eye, 49; Buffle-head, 105; Old-squaw, 180; Common Eider, 1; White-winged Scoter, 1300 (est.); Surf Scoter, 234; Am. Scoter, 1638; Ruddy Duck, 5; Hooded Merganser, 11; Am. Merganser, 9; Red-breasted Merganser, 79; Turkey Vulture, 62; Goshawk, 2; Sharp-shinned Hawk, 12; Cooper's Hawk, 21; Red-tailed Hawk, 18; Red-shouldered Hawk, 13; Rough-legged Hawk, 3; Bald Eagle, 9; Marsh Hawk, 75; Peregrine Falcon, 1; Sparrow Hawk, 31; Bob-white, 35; Ring-necked Pheasant, 3; Clapper Rail, 25; Virginia Rail, 1; Am. Coot, 18; Killdeer, 170; **Piping Plover,** 1 (A.M.L., *et al.*); **Black-bellied Plover,** 165; Am. Woodcock, 4; Wilson's Snipe, 7; **Spotted Sandpiper** 1 (J.M.C.); Willet, 1; Greater Yellow-legs, 16; Purple Sandpiper, 39; Least Sandpiper, 1 (E.J.R., H., B., and D. Cutler); **Red-backed Sandpiper,** 8000 (est.); Dowitcher, 3; Semi-palmated Sandpiper, 42; Western Sandpiper, 36; Sanderling, 479; Great Black-backed Gull, 85; Herring Gull, 2450; Ring-billed Gull, 704; Bonaparte's Gull, 667; **Black-legged Kittiwake,** 1 (E.J.R., H., B., and D. Cutler); **Puffin,** 1 (J.H.A., Jr., J.M.C.); Mourning Dove, 240; Screech Owl, 2; Horned Owl, 4; Snowy Owl, 1; Barred Owl, 3; **Short-eared Owl,** 22; Saw-whet Owl, 1; Belted Kingfisher, 19; Yellow-shafted Flicker, 76; Hairy Woodpecker, 16; Downy Woodpecker, 60; Horned Lark, 273; Tree Swallow, 20; Blue Jay, 319; Am. Crow, 1160; Fish Crow, 55; Carolina Chickadee, 330; Tufted Titmouse, 113; White-breasted Nuthatch, 7; Brown Creeper, 14; House Wren, 1 (A.B.); Winter Wren, 8; **Carolina Wren,** 98; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 4; Mockingbird, 23; Catbird, 21; Brown Thrasher, 9; Am. Robin, 6800 (est.); Hermit Thrush, 42; Eastern Bluebird, 82; Golden-crowned Kinglet, 48; Ruby-crowned Kinglet, 9; Water Pipit, 520; Cedar Waxwing, 12; Gray Shrike, 2; Loggerhead Shrike, 7; Common Starling, 12,000 (est.); **Myrtle Warbler,** 9000 (est.); Palm Warbler, 22; Common Yellow-throat, 1 (A.B.); House Sparrow, 1200 (est.); Eastern Meadowlark, 900 (est.); Red-winged Blackbird, 3100 (est.); **Bullock's Oriole,** 1 (seen at feeding station of Sarah Thomas, Cape May Court House; it has been there and at feeding station of Helen Kreuger and Minnie Stauffer off and on since Dec. 18; seen by J. K. Potter and several other observers); Rusty Blackbird, 11; Purple Grackle, 255; Brown-headed Cowbird, 1000 (est.); Cardinal, 314; Purple Finch, 28; Pine Siskin, 2; Am. Gold-

finch, 417; Eastern Towhee, 26; Ipswich Sparrow, 6; Savannah Sparrow, 254; Sharp-tailed Sparrow, 24; Seaside Sparrow, 7; Vesper Sparrow, 20; Slate-colored Junco, 550; Am. Tree Sparrow, 166; Chipping Sparrow, 8; **Field Sparrow,** 263; White-throated Sparrow, 1600 (est.); Fox Sparrow, 17; Swamp Sparrow, 73; Song Sparrow, 485; Lapland Longspur, 1. **Total,** 141 species; about 71,145 individuals.—E. C. Archer, J. H. Arnett, Jr., D. E. Batezel, W. J. Bailey, A. Brady, J. M. Cadbury, C. W. Carter, E. A. Choate (compiler), D. R. Coman, L. R. Corn, B. Cutler, D. Cutler, H. S. Cutler, R. T. Darby, P. de Aoun, H. Donaghy, J. Dornan, J. N. Felix, L. B. Finkelstein, W. H. Fries, E. T. Gibson, H. Guthrie, B. S. Haines, R. Haines, J. A. Jacob, W. Jay, O. H. Joyce, H. Kreuger, M. A. Linton, P. A. Livingston, E. R. Manners, E. W. Marshall, E. W. Marshall, Jr., M. McCutcheon, J. F. McIlvain, F. W. McLaughlin, W. R. Middleton, J. C. Miller, R. Miller, J. T. Mladjen, J. L. Moore, J. R. Moore, R. J. Murray, M. N. O'Connell, Jr., S. Orr, J. K. Potter, R. I. Pierce, C. L. Reagan, E. J. Reimann, G. B. Reynard, W. P. Reynolds, M. P. Robinson, R. H. Sehl, W. Sheldon, Mr. Stacy, M. Stauffer, F. C. Stokes, Jr., P. B. Street, S. Thomas, Mr. Tillman, F. A. Ulmer, Jr., H. Wakernagle, Mr. Ward, C. A. Wonderly, J. Wright, W. B. Wright, W. Blythe Wright, R. Zimmermann.

105. Great Swamp–Watchung Ridges, N.J. (same area as in 1949 and subsequent counts.)—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 32° to 40°; wind NW, 21 m.p.h.; ground bare and frozen, smaller ponds and pools covered with thin ice, streams and reservoirs open. Thirty-three observers in 8 parties, plus 56 observers at feeding stations. Total party-hours, 57½ (42 on foot, 15½ by car); total party-miles, 357 (62 on foot, 295 by car); day-long observations at feeders by 56 members of the Westfield, Chatham and Summit, N.J., Nature Clubs. Great Blue Heron, 4; Black-crowned Night Heron, 2; Mallard, 36; Black Duck, 37; Am. Merganser, 36; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 7; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 28; Ruffed Grouse, 3; Ring-necked Pheasant, 2; Killdeer, 8; Wilson's Snipe, 1; Herring Gull, 316; Ring-billed Gull, 1; Mourning Dove, 86; Screech Owl, 3; Horned Owl, 4; Barred Owl, 1; Long-eared Owl, 18; Belted Kingfisher, 7; Yellow-shafted Flicker, 18; Pileated Woodpecker, 4; Hairy Woodpecker, 57; Downy Woodpecker, 161; **Tree Swallow,** 17; **Eastern Phoebe,** 1 (J.W.H.); Blue Jay, 320; Am. Crow, 293; Black-capped Chickadee, 439; Tufted Titmouse, 216; White-breasted Nuthatch, 198; Red-breasted Nuthatch, 1; Brown Creeper, 11; Winter Wren, 1; **Mockingbird,** 1; **Catbird,** 3 (Mrs. L. E. Davis); Am. Robin, 7; Eastern Bluebird, 63; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 3; Cedar Waxwing, 14; **Gray Shrike,** 1; Common Starling, 16,359; **Nashville Warbler,** 1 (observed for 5 minutes with 8x glasses at 15 ft.; gray hood, rather broad and whitish eye-ring flecked with dark gray, no eye-stripe, no bars, underparts a real yellow, lower bill pearl gray—E.C.); Myrtle Warbler, 131; House Sparrow, 1002; Eastern Meadowlark, 21; Red-winged Blackbird, 233; Rusty Blackbird, 4; **Baltimore Oriole,** 1 (G. Woolfenden); Purple Grackle, 167; Brown-headed Cowbird, 140; Cardinal, 119; **Dickcissel,** 5 (Mrs. Henry Davis); Purple Finch, 68; Pine Siskin, 2; Am. Goldfinch, 123; Eastern Towhee, 6; Slate-colored Junco, 1089; Am. Tree Sparrow, 715; Chipping Sparrow, 1; Field Sparrow, 68; White-throated Sparrow, 510; Fox Sparrow, 13; Swamp Sparrow, 78; Song Sparrow, 261. **Total,** 70 species; 23,582 individuals. (Seen Dec. 26: Bald Eagle—J.B.H.)—Joan Brown, Mrs. Joseph Burton, Jay Cloud, Edward Chalif, Dudley Coy, Mark Dobblelaar, Richard Hartten, Charles Hoiles, Mr. and Mrs. James W. Hand, James B. Hawley (compiler), David Hart, Stuart Hurlbert, Jeannette Middlebrook, Una Miller, Butch Malek, Mr. and Mrs. Don Maxwell, Mr. and Mrs. Courtney Norwein, T. and Tim Oberg, Mr. and Mrs. Fred Rolf, Dr. George Rawson, Mr. and Mrs. C. B. Schaughency, Mr. and Mrs. Albert Schnitzer, Mrs. Su-Zan Swain, Gertrude Whitlock, Charles Weisel, Glenn Woolfenden.

106. Hackensack–Ridgewood (Bergen Co.), N.J. (7½-mile radius centering on River Edge Bridge, north to N. Y. State line, south to Paterson Plank Rd., east boundary Hudson River, west boundary Erie R. R. through Paterson-Goffle Rd., Hawthorne, NE to State line; woodland 31%, residential 6%, swamp 4%, brushy fields 18%, marsh 13%, river and lake front 21%, garbage dumps and cemeteries 7% [13 feeding stations].—Jan. 2; 6:30 a.m. to 4:45 p.m. Clear; temp. 32° to 38°; wind NW to SE, 3-4 m.p.h.; ground bare; most water areas open. Sixty-seven observers in 26 parties. Total party-hours, 158 (132 on foot, 26 by car); total party-miles, 506 (129 on foot, 377 by car). Pied-billed Grebe, 5; Great Blue Heron, 1; Black-crowned Night Heron, 3; Am. Bittern, 1; Mute Swan, 1; Canada Goose, 53; Mallard, 280; Black Duck, 277; Wood Duck, 2; Greater Scaup, 1; Am. Golden-eye, 22; Ruddy Duck, 24; Am. Merganser, 172; Red-breasted Merganser, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Marsh Hawk, 1; Peregrine Falcon, 2; Sparrow Hawk, 21; Ring-necked Pheasant, 1; Virginia Rail, 1; Killdeer, 9; Wilson's Snipe, 1; Great Black-backed Gull, 32; Herring Gull, 2468; Ring-billed Gull, 185; Laughing Gull, 6; Bonaparte's Gull, 400 (est.); **Black Skimmer,** 1 (observed for 20 min. in company with Bonaparte's Gulls north of Edgewater Ferry on Hudson River skimming back and forth in manner characteristic of species—W.S.D., J.K.B.); Mourning Dove, 134; Screech Owl, 1; Snowy Owl, 1 (R. Deacon, *et al.*); Barred Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 16; Yellow-shafted Flicker, 15; Pileated Woodpecker, 1; Hairy Woodpecker, 28; Downy Woodpecker, 142; Eastern Phoebe, 1; Horned Lark (sp.), 11; Blue Jay, 368; Am. Crow, 139; Black-capped Chickadee, 318; Tufted Titmouse, 122; White-breasted Nuthatch, 126; Brown Creeper, 20; Winter Wren, 7; Carolina Wren, 1; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 37; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 2; Common Starling, 3129; Myrtle

Warbler, 124; Yellow-breasted Chat, 1 (at feeding station—Mr. and Mrs. J.V.S.); House Sparrow, 919; Eastern Meadowlark, 6; Red-winged Blackbird, 104; Rusty Blackbird, 96; Purple Grackle, 134; Brown-headed Cowbird, 18; Cardinal, 99; **Rose-breasted Grosbeak,** 1 (present at a feeding station in Midland Park; watched many times at 5 ft.; ♀ or immature—Mr. and Mrs. J.V.S., Mrs. C.K.); Purple Finch, 20; Am. Goldfinch, 234; Eastern Towhee, 12; Savannah Sparrow, 11; Slate-colored Junco, 753; Am. Tree Sparrow, 592; Field Sparrow, 23; White-throated Sparrow, 659; Fox Sparrow, 41; Swamp Sparrow, 29; Song Sparrow, 281. **Total,** 78 species; 12,806 individuals.—E. Abeles, Mrs. H. T. Armitt (compiler), H. T. Armitt, Mrs. R. H. Baker, A. Barber, A. Bihun, Jr., Mrs. J. K. Boldtmann, J. K. Boldtmann, M. Burnham, Mrs. C. A. Burt, Mrs. H. E. Carnes, H. E. Carnes, R. Deacon, J. C. Demarest, W. S. Downin, Mrs. F. G. Dunham, Miss A. Dunham, Mrs. N. Emig, N. Emig, R. B. Evans, M. Ferguson, Mrs. G. B. Fetter, H. S. Fisher, T. Fleming, W. Frey, Mrs. R. H. Gaede, R. H. Gaede, Mrs. E. Gallagher, L. Gligor, F. Gill, Miss H. Gill, D. A. Gooding, P. H. Grosch, Mrs. C. Kientzler, Miss M. Kuhnen, Mrs. F. J. McKenna, F. J. McKenna, J. A. Mann, Mrs. C. K. Nichols, C. K. Nichols, M. Nichols, Miss D. C. Pallas, Miss A. Pallas, Mrs. J. S. Pallas, J. S. Pallas, Mrs. L. Parson, Mrs. A. D. Parker, W. W. Plaisted, Mrs. D. A. Roser, D. A. Roser, J. Rowe, J. Sartorius, F. R. Schetty, K. Schneider, W. Standaert, R. Thompson, T. Thompson, R. P. Topping, Miss M. E. Trotter, M. Van Horne, Mrs. J. Van Saun, J. Van Saun, E. Vincent, Mrs. R. Watts, Mrs. J. O. Weidig, S. Winic, J. Zabransky.

107. Lakehurst, N.J. (Lakehurst to Lakewood, Point Pleasant, Seaside Heights and Toms River; same area and percentages as in previous years).—Dec. 26; 6:30 a.m. to 5:30 p.m. Clear until 3 p.m., then cloudy; temp. 27° to 43°; wind NW, 8-20 m.p.h.; thin ice on most ponds. Ten observers in 2 parties. Total party-hours, 20 (17 on foot, 3 by car); total party-miles, 68 (8 on foot, 60 by car). Common Loon, 2; Red-throated Loon, 20; **Red-necked Grebe,** 1; Horned Grebe, 35; **Pied-billed Grebe,** 18; Gannet, 11; Double-crested Cormorant, 1; Great Blue Heron, 24; Canada Goose, 850; Am. Brant, 35; Mallard, 180; Black Duck, 245; Am. Widgeon, 145; Pintail, 1; Shoveller, 1; Redhead, 6; Canvas-back, 20; Greater Scaup, 450; Lesser Scaup, 2; Am. Goldeneye, 405; Buffle-head, 75; Old-squaw, 45; White-winged Scoter, 8; Surf Scoter, 6; Am. Scoter, 6; Ruddy Duck, 4; Am. Merganser, 15; Red-breasted Merganser, 125; Turkey Vulture, 85; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 3; Bob-white, 1; Clapper Rail, 3; Am. Coot, 105; Killdeer, 22; Black-bellied Plover, 6; Red-backed Sandpiper, 32; Semipalmated Sandpiper, 2; Great Black-backed Gull, 110; Herring Gull, 345; Ring-billed Gull, 60; Bonaparte's Gull, 60; Mourning Dove, 23; **Belted Kingfisher,** 6; Yellow-shafted Flicker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 5; Blue Jay, 48; Am. Crow, 175; Black-capped Chickadee, 1; Carolina Chickadee, 60; Tufted Titmouse, 10; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 1; **Carolina Wren,** 4; Long-billed Marsh Wren, 5; Am. Robin, 112; Eastern Bluebird, 5; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 2 (D.F.); Common Starling, 130; Myrtle Warbler, 85; **Common Yellow-throat,** 1 (G.W.); House Sparrow, 175; Eastern Meadowlark, 40; Red-winged Blackbird, 670; Purple Grackle, 70; Brown-headed Cowbird, 150; Cardinal, 9; Am. Goldfinch, 35; Savannah Sparrow, 3; Sharp-tailed Sparrow, 3; Slate-colored Junco, 130; Am. Tree Sparrow, 83; Field Sparrow, 8; White-throated Sparrow, 95; Swamp Sparrow, 31; Song Sparrow, 48. **Total,** 82 species; 5840 individuals. Species set in boldface are either new to list or greatly exceed previous high count.—Eleanor and Fritz Baumle, Colette Connor, Barbara Cook, David Fables (compiler), Richard Johnson, Walter Kennedy, Ben Priest, Glen and Lester Woolfenden.

[On Dec. 31, Gary Straus and Milton Straus covered a 5-mile radius in essentially the same territory and recorded 58 species and 2822 individuals. Additional species not observed on the Lakehurst count were: Ring-necked Duck, 1; Ruffed Grouse, 1; Sanderling, 3; Horned Lark, 3; Catbird, 4; Cedar Waxwing, 2; Palm Warbler, 5; Fox Sparrow, 2.—Ed.]

108. Long Branch, N.J. (Oceanport to Wreck Pond; bays and ponds 30%, beach front 20%, bushy fields 10%, farmland 10%, marshes 10%, woods 20%).—Jan. 3; 6 a.m. to 5 p.m. Clear at start, light showers then partly cloudy after 11 a.m.; temp. 38° to 43°; wind gentle to none; no snow, some ice on ponds. Twenty-one observers in 7 parties. Total party-hours, 66 (41 on foot, 25 by car); total party-miles, 360 (55 on foot, 305 by car). Common Loon, 10; Red-throated Loon, 26; Horned Grebe, 195; Pied-billed Grebe, 51; Gannet, 12; Double-crested Cormorant, 105; Great Blue Heron, 10; Black-crowned Night Heron, 1; Mute Swan, 3; Whistling Swan, 1; Canada Goose, 85; Am. Brant, 75; Mallard, 970; Black Duck, 958; Gadwall, 32; European Widgeon, 5; Am. Widgeon, 2435 (1500±200, 735); Pintail, 53; Green-winged Teal, 1; Redhead, 26; Ring-necked Duck, 10; Canvas-back, 128; Greater Scaup, 1700 (1500±100, 200); Lesser Scaup, 154; Am. Goldeneye, 101; Buffle-head, 131; Old-squaw, 1; White-winged Scoter, 5; Ruddy Duck, 336; Hooded Merganser, 6; Am. Merganser, 167; Red-breasted Merganser, 103; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1 (studied perched and in flight, all markings checked—W.F.S.); Sparrow Hawk, 19; Bob-white, 37; Ring-necked Pheasant, 3; Clapper Rail, 13; Virginia Rail, 1; Am. Coot, 151; Killdeer, 58; Wilson's Snipe, 1; Sanderling, 6; Great Black-backed Gull, 724; Herring Gull, 1446 (800±100, 646); Ring-billed Gull, 84; Laughing Gull, 5; Bonaparte's Gull, 142; Mourning Dove, 285; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 24; Hairy Woodpecker, 3; Downy Woodpecker, 48; Horned Lark, 42; Blue Jay, 57; Am. Crow, 241;

Fish Crow, 2; Carolina Chickadee, 81; Tufted Titmouse, 37; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 1; Brown Creeper, 3; **House Wren,** 1 (C.A.H., N.N.); Winter Wren, 3; Carolina Wren, 8; Long-billed Marsh Wren, 1; Mockingbird, 2; Catbird, 6; Am. Robin, 355; Hermit Thrush, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 13; Cedar Waxwing, 18; Common Starling, 2901 (2300 ±200, 601); Myrtle Warbler, 404; Palm Warbler, 6 (F.H.W.); Common Yellow-throat, 3 (C.D.B., J.L.E., A.E.E., A.T.N., I.H.B.); House Sparrow, 195; Eastern Meadowlark, 13; Red-winged Blackbird, 8878 (8700±900, 178); **Purple Grackle,** 200,011 (200,000±11; flock nearly 5 miles long; flying south or southeast overhead at 8:30 a.m.; estimate probably low—G.M.S.); Brown-headed Cowbird, 1508 (1500±150, 8); Cardinal, 56; Am. Goldfinch, 114; Eastern Towhee, 2; Savannah Sparrow, 150; Slate-colored Junco, 93; Am. Tree Sparrow, 367; Field Sparrow, 60; White-throated Sparrow, 303; Fox Sparrow, 1; Swamp Sparrow, 53; Song Sparrow, 210. **Total,** 98 species; about 227,197 individuals. (Grackles probably were birds that roost in Raritan Estuary.)—J. Anderson, I. H. Black, C. D. Brown, C. Connor, J. L. Edwards, B. Einhorn, A. E. Eynon, C. A. Hetzel, A. T. Newberry, N. Niosi, R. H. Pough, C. Rosenthal, W. F. Sandford, G. M. Seeley (compiler), R. L. Sell, L. Stark, G. D. Stout, E. VanBrunt, F. H. Weinfeldt, E. M. Wisner, V. Wisner.

109. Moorestown, Maple Shade, and Riverton, N.J. (same area as former years; farmland 33%, town suburbs 26%, deciduous woods 20%, wet brushy meadows 12%, river front 7%, evergreen woods 2%). —Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. 30° to 45°; wind SW, 0-15 m.p.h.; ground bare; still fresh water frozen. Sixty-two observers in 35 parties. Total party-hours, 111 (66 on foot, 12 by car, 33 at feeders); total party-miles, 169 (60 on foot, 109 by car). Common Loon, 2; Horned Grebe, 2; Great Blue Heron, 1; Black-crowned Night Heron, 12; Mallard, 7; Black Duck, 794; Pintail, 5100 (est.); Ring-necked Duck, 2; Greater Scaup, 10; Am. Golden-eye, 17; Ruddy Duck, 30; Am. Merganser, 23; Red-breasted Merganser, 5; Turkey Vulture, 17; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 12; Sparrow Hawk, 34; Bob-white, 25; Ring-necked Pheasant, 13; Killdeer, 127; Greater Yellow-legs, 2; Lesser Yellow-legs, 8 (on mud flats behind sewer plant along Pennsauken Creek; considerably smaller size noted in direct comparison to Greaters; no call notes heard—E. Litchfield, E. Dominguez); Herring Gull, 218; Ring-billed Gull, 74; Laughing Gull, 1; Mourning Dove, 403; Barn Owl, 2; Screech Owl, 1; Snowy Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 25; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 66; Horned Lark, 11; Blue Jay, 78; Am. Crow, 746; Fish Crow, 1; Carolina Chickadee, 125; Tufted Titmouse, 70; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 3; Brown Creeper, 9; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 20; Brown Thrasher, 1; Am. Robin, 9; **Olive-backed Thrush,** 1 (seen 4 times over a 10-day period eating holly berries in yard at Moorestown; uniformly olive-brown back and tail clearly seen from above at close range; eye-ring and cheeks checked—Mr. and Mrs. A.C.B.); Eastern Bluebird, 7; Golden-crowned Kinglet, 15; Cedar Waxwing, 10; Common Starling, 3915; House Sparrow, 695; Eastern Meadowlark, 157; Red-winged Blackbird, 130; Rusty Blackbird, 42; Purple Grackle, 10; Brown-headed Cowbird, 26; Cardinal, 128; Purple Finch, 5; Pine Siskin, 6; Am. Goldfinch, 66; Eastern Towhee, 3; Savannah Sparrow, 1; Slate-colored Junco, 440; Am. Tree Sparrow, 68; Field Sparrow, 46; White-throated Sparrow, 458; Fox Sparrow, 8; Swamp Sparrow, 23; Song Sparrow, 149. **Total,** 76 species; about 14,579 individuals.—S. N. Aldridge, H. F. and I. Anders, J. Augustine, M. P. Barrett, A. C., A. B., D., and D. Borton, B. and C. Bowers, C. Carter, W. L. and B. Cleaver, E. H. and R. Cody, H. C. Collins, F. G. Conrow, E. Dominguez, C. Evans, M. Gardiner, W. W. Gardiner, Jr., C. Gibb, Dr. E. T. Gibson, E. L. Gillingham, B. S. Haines, M. Harris, E. J. Henderson, M. E. Hollinshead, P. E. Howard, Jr., D. E. Lawyer, M. A. and M. R. Linton, A. W. H. and E. R. Lippincott, E. Litchfield, P. B. and M. Lovell, D. W. Mathias, D. H. McGaw, H., E. E., J. L. (compilers) and H. L. Moore, D. M. Nelson, C. L. Reagan, W. H. and H. K. Roberts, A. M. and J. Rogers, H. K. Sibley, R. Smythe, F. C. Stokes, Jr., R. Stone, J. H., S., and H. Taylor, E. Wallace, Dr. E. D. Wildman, R. Wilkins, K. Wilson, R. R. Wood.

110. Morristown, N.J. (7½-mile radius centering in Ironia, N.J.; pasture land 25%, plowland 15%, town suburbs 15%, deciduous farm woodlots 30%, evergreen groves 5%, cattail marsh 10%).—Jan. 3; 6 a.m. to 5 p.m. Rain in a.m., sunny at noon, cloudy in p.m., trace of precipitation; temp. 22° to 46°; wind NNW, 5-8 m.p.h.; ground bare but frozen; most ponds and lakes frozen over except parts of Lake Hopatcong. Forty-one observers in 7 parties, including 7 feeding-station observers. Total party-hours, 58½ (23½ on foot, 35 by car); total party-miles, 418 (62 on foot, 356 by car). Common Loon, 1; Horned Grebe, 8; Pied-billed Grebe, 30; Great Blue Heron, 1; Mute Swan, 8; Canada Goose, 40; Mallard, 20; Black Duck, 11; Gadwall, 1; Redhead, 11; Canvas-back, 1; Lesser Scaup, 6; Am. Golden-eye, 37; Buffle-head, 1; Hooded Merganser, 1; Am. Merganser, 18; Turkey Vulture, 15; Cooper's Hawk, 2; Red-tailed Hawk, 4; Sparrow Hawk, 11; Ruffed Grouse, 1; Ring-necked Pheasant, 7; Herring Gull, 9; Mourning Dove, 98; Screech Owl, 4; Horned Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 27; Pileated Woodpecker, 7; Hairy Woodpecker, 38; Downy Woodpecker, 148; Horned Lark, 37; Blue Jay, 208; Am. Crow, 456; Fish Crow, 2; Black-capped Chickadee, 498; Tufted Titmouse, 119; White-breasted Nuthatch, 101; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 1; Brown Thrasher, 1; Am. Robin, 24; Hermit Thrush, 8; Eastern Bluebird, 55; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 1161; Myrtle Warbler,

13; House Sparrow, 654; Eastern Meadowlark, 1; Red-winged Blackbird, 46; Purple Grackle, 200; Brown-headed Cowbird, 10; Cardinal, 93; Purple Finch, 17; Am. Goldfinch, 120; Eastern Towhee, 2; Slate-colored Junco, 637; Am. Tree Sparrow, 675; Chipping Sparrow, 5; Field Sparrow, 2; White-throated Sparrow, 157; Fox Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, 46. **Total,** 68 species; approximately 5958 individuals.—Mr. and Mrs. R. H. Cubberley, Mrs. M. J. Weig (co-compiler), Mrs. H. Appleby (co-compiler), Mr. and Mrs. F. L. Bower, Mrs. Dorothy Wells, Hazel Gauckenhauer, Mrs. Hazel Smith, Clara Weigele, Mr. and Mrs. J. T. Neal, Jr., M. A. Chaillet, Mrs. Curtis Franklin, Nancy Sleever, Mr. and Mrs. Arthur Leonard, Mrs. H. L. Davis, Mrs. O. C. Billings, Jr., Charles Hoiles, Mr. and Mrs. Russell Tonking, Richard Thorsell, Mr. and Mrs. V. J. Hawks, D. T. Sharpe, Herman Redden, Kenneth Absalon, Lois M. Wenman, J. W. Hand, Jr., Edith L. Smith, Mrs. T. T. Cook, May B. Leonard, Mrs. George Francis—field observers; M. J. Weig, Mrs. A. M. Warmington, Mrs. F. D. Smith, Mrs. P. J. Fogel, Nellie Ball, Agnes Leonard, Mrs. L. A. Kille—feeding station observers (The Morris Nature Club, Inc.).

111. **Mount Holly, N.J.** (same area and percentages as last year).—Dec. 26; 6:30 a.m. to 5:30 p.m. Clear; temp. 28° to 38°; wind W, 5-10 m.p.h.; afternoon cloudy; wind NW, 15-20 m.p.h.; thin ice on ponds, Rancocas Creek and Delaware River open. Seven observers in 3 parties. Total party-hours, 47 (12 on foot, 25 by car, 10 at feeders); total party-miles, 92 (18 on foot, 74 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Black Duck, 2; Hooded Merganser, 2; Am. Merganser, 1; Turkey Vulture, 32; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 14; Killdeer, 24; Herring Gull, 11; Mourning Dove, 27; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 175; Blue Jay, 12; Am. Crow 2000+; Fish Crow, 8; Black-capped Chickadee, 9; Carolina Chickadee, 5; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 1; Am. Robin, 1; Eastern Bluebird, 12; Golden-crowned Kinglet, 15; Common Starling, 420; House Sparrow, 20; Eastern Meadowlark, 200; Red-winged Blackbird, 80; Purple Grackle, 2; Brown-headed Cowbird, 83; Cardinal, 42; Purple Finch, 10; Am. Goldfinch, 2; Eastern Towhee, 1; Slate-colored Junco, 50; Am. Tree Sparrow, 2; White-throated Sparrow, 47; Fox Sparrow, 6; Song Sparrow, 5. **Total,** 47 species; about 3360 individuals.—Mr. and Mrs. Charles Applegate, Mr. and Mrs. Wm. H. Trump, May Middleton, J. Russell Sprow, Nelson D. W. Pumyea (compiler).

112. **Northwestern Gloucester County, N.J.** (7½-mile radius from intersection of Wolfret Station Rd. and N.J. Turnpike 1 mile south of Mickleton but excluding area beyond State line and Delaware River area included in adjoining Delaware County, Pa., territory; town suburbs 10%, deciduous woods 10%, open farmland 50%, marshes 5%, creeks and creek valleys 15%, river 5%, mature river fills 5%, 1 feeding station).—Dec. 26; 7 a.m. to 4:30 p.m. Clear in a.m., partly cloudy in p.m.; temp. 28° to 44°; wind WSW to W, 5-19 m.p.h.; ground bare; ponds frozen; running water open. Twenty-one observers in 8 parties. Total party-hours, 58 (34 on foot, 24 by car); total party-miles, 180 (25 on foot, 155 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 4; **Am. Egret,** 2 (R.F., H.R.); Mallard, 34; Black Duck, 1157 (1120 est., 37); Pintail, 560 (540 est., 20); Green-winged Teal, 1000 (est.); Wood Duck, 1; Ring-necked Duck, 6; Lesser Scaup, 6; Ruddy Duck, 2600 (est.); Am. Merganser, 8; Turkey Vulture, 127; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 4; Marsh Hawk, 10; Sparrow Hawk, 48; Bob-white, 29; Ring-necked Pheasant, 2; Killdeer, 89 (25 est., 64); Greater Yellow-legs, 3; Great Black-backed Gull, 2; Herring Gull, 105; Ring-billed Gull, 76; Mourning Dove, 367; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 23; Horned Lark, 95; Blue Jay, 23; Am. Crow, 7453 (7200 est., 253); Fish Crow, 804 (800 est., 4); Carolina Chickadee, 83; Tufted Titmouse, 45; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 32; Mockingbird, 7; Catbird, 3; Am. Robin, 17; Hermit Thrush, 2; Eastern Bluebird, 34; Golden-crowned Kinglet, 55; Ruby-crowned Kinglet, 1; Water Pipit, 50 (est.); Loggerhead Shrike, 3; Common Starling, 2957 (2400 est., 557); Myrtle Warbler, 1; Palm Warbler, 1; House Sparrow, 380; Eastern Meadowlark, 33; Red-winged Blackbird, 37; Purple Grackle, 3; Brown-headed Cowbird, 70; Cardinal, 94; Purple Finch, 24; Am. Goldfinch, 74; Eastern Towhee, 3; Savannah Sparrow, 1; Slate-colored Junco, 317; Am. Tree Sparrow, 43; Field Sparrow, 69; White-throated Sparrow, 458; Fox Sparrow, 24; Swamp Sparrow, 43; Song Sparrow, 191. **Total,** 76 species; about 19,805 individuals.—Ralph Byers, Tom Byers, Joseph Devlin, Robert Drew, Kingsley Ebert, Dick Ebert, Mr. and Mrs. Russell Fowler, W. H. Fries, W. A. Glass, Serge Griffith, J. Geo. Hitchner, Wm. Jenkins, Mrs. Lois King, Philip Lawrence, H. L. Lake, E. R. Manners, W. R. Middleton (compiler), Richard F. Miller, Henry Rodberg, Howard E. White (Gloucester County Nature Club).

113. **Oceanville, N.J.** (same area as covered in 1952; 7½-mile radius centered on Brigantine Wildlife Refuge).—Dec. 26; 8 a.m. to 4:30 p.m. Clear; temp. 35° to 45°; wind SW, 15 m.p.h.; ground bare; ice on some fresh water. Seven observers in 3 parties. Total party-hours, 55 (5 on foot, 50 by car); total party-miles, 168 (13 on foot, 155 by car). Red-throated Loon, 2; Horned Grebe, 138; Pied-billed Grebe, 19; Double-crested Cormorant, 1; Great Blue Heron, 30; **Am. Egret,** 3 (F.W.M.); **Little Blue Heron,** 4 (F.W.M.); Black-crowned Night Heron, 1; Am. Bittern, 1; Canada Goose, 110; **Am. Brant,**

120,000 (H.W.); Mallard, 283; Black Duck, 20,000 (H.W.); Green-winged Teal, 10; Canvas-back, 3; Greater Scaup, 800; Lesser Scaup, 17; Am. Golden-eye, 26; Buffle-head, 54; Old-squaw, 7; Surf Scoter, 2; Am. Scoter, 3; Ruddy Duck, 172; Hooded Merganser, 2; Am. Merganser, 6; Red-breasted Merganser, 50; Turkey Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk 1; Bald Eagle, 4; Marsh Hawk, 22; Sparrow Hawk, 5; Am. Coot, 138; Killdeer, 13; Wilson's Snipe, 1; Purple Sandpiper, 12; Red-backed Sandpiper, 17; Sanderling, 28; Great Black-backed Gull, 5; Herring Gull, 3500; Ring-billed Gull, 610; Bonaparte's Gull, 45; **Black Skimmer,** 15 (F.W.M.); Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 13; Am. Crow, 90; Fish Crow, 8; Carolina Chickadee, 15; Tufted Titmouse, 8; Brown Creeper, 1; Carolina Wren, 1; Mockingbird, 2; Am. Robin, 170; Hermit Thrush, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 12; Common Starling, 2000; Myrtle Warbler, 1900; House Sparrow, 105; Eastern Meadowlark, 46; Red-winged Blackbird, 66; Brown-headed Cowbird, 30; Cardinal, 11; Am. Goldfinch, 8; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 130; Am. Tree Sparrow, 13; Field Sparrow, 4; White-throated Sparrow, 19; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 17. **Total,** 77 species; 150,853 individuals.—Howard Whitley, Frank W. McLaughlin, E. P. White, Paul B. Battersby, Frederick P. Poole, C. E. Stasz (compiler), Julian K. Potter (Audubon Wildlife Society).

114. Princeton, N.J. (within a 9¼-mile diameter centering on Graduate College; villages, estates, farms, lowland and upland deciduous woods, red cedar and pine groves, swamp, marsh, lake, ponds and streams).—Dec. 27; 7 a.m. to 5:45 p.m. Clear; temp. 32° to 45°; wind W, light; ground bare; lake and ponds frozen, streams open. Nine observers in 5 parties (+1 at a food station). Total party-hours, 43¾ (43¼ on foot, ½ by car); total party-miles, 51½ (43½ on foot, 8 by car). Pied-billed Grebe, 12; Great Blue Heron, 1; Mute Swan, 2; Mallard, 250; Black Duck, 71; Am. Widgeon, 1; Turkey Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 3; Ring-necked Pheasant, 12; Killdeer, 30; Wilson's Snipe, 1; Herring Gull, 2; Mourning Dove, 329; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 1♀ (well seen by R.D.H.D. and C.H.R.); Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 16; Downy Woodpecker, 58; Horned Lark, 1; Blue Jay, 23; Am. Crow, 220; Fish Crow, 2; Black-capped Chickadee, 7; Carolina Chickadee, 40; Tufted Titmouse, 48; White-breasted Nuthatch, 34; Brown Creeper, 6; Winter Wren, 10; Carolina Wren, 4; Mockingbird, 1; Am. Robin, 7; Hermit Thrush, 1; Eastern Bluebird, 13; Golden-crowned Kinglet, 39; Water Pipit, 3; Loggerhead Shrike, 1; Common Starling, 2500 (est.); Myrtle Warbler, 286; Palm Warbler (Western), 1; House Sparrow, 415; Eastern Meadowlark, 18; Red-winged Blackbird, 1500 (est.); Rusty Blackbird, 1; Purple Grackle, 40,000 (est.); Brown-headed Cowbird, flock of 6000+12; Cardinal, 60; Dickcissel, 1 (R.M.L. and R.L.T., later by E.B.B., C.H.R., and others); Purple Finch, 20; Am. Goldfinch, 77; Eastern Towhee, 2; Savannah Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 220; Am. Tree Sparrow, 256; Field Sparrow, 20; White-throated Sparrow, 181; Fox Sparrow, 1; Swamp Sparrow, 50; Song Sparrow, 188. **Total,** 67 species; about 53,106 individuals. (Seen in area Dec. 25: Cedar Waxwing, flock.)—W. F. Alston, E. D. Bloor, Jr., R. D. H. Dingle, J. M. Kriz, R. M. Laughlin, F. W. Loetscher, Jr., C. H. Rogers (compiler), A. L. Shinn, R. L. Thomas, G. A. Tudor.

115. Ramsey, N.J. (circle with a 7½-mile radius with the center in Lake Erskine, Passaic Co., N.J., including Wanaque Reservoir, Pompton Lake, Pines Lake, Franklin Lakes, and the towns of Ramsey, Mahwah, and Allendale; abandoned farmland 25%, plowed land 5%, water area 10%, deciduous woodland 35%, marsh 3%, town suburb 20%, hemlock and spruce 2%).—Jan. 2; 7:40 a.m. to 5:30 p.m. Clear; temp. 20° to 41°; wind W to S, 2 m.p.h.; ground bare; lakes frozen except part of Wanaque and Pines Lake. Thirteen observers in 4 parties. Total party-hours, 32 (24 on foot, 8 by car); total party-miles, 139 (16 on foot, 123 by car). Horned Grebe, 6; Pied-billed Grebe, 1; Canada Goose, 75; Mallard, 79; Black Duck, 48; Ring-necked Duck, 4; Greater Scaup, 12; Buffle-head, 3; Am. Merganser, 7; Red-tailed Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Am. Coot, 26; Herring Gull, 155; Mourning Dove, 50; Screech Owl, 2; Horned Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 9; Downy Woodpecker, 40; Blue Jay, 136; Am. Crow, 34; Black-capped Chickadee, 138; Tufted Titmouse, 92; White-breasted Nuthatch, 55; Brown Creeper, 4; Winter Wren, 1; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 4; Common Starling, 301; Myrtle Warbler, 1; House Sparrow, 323; Cardinal, 35; Purple Finch, 71; Am. Goldfinch, 13; Eastern Towhee, 1; Vesper Sparrow, 1; Slate-colored Junco, 855; Am. Tree Sparrow, 29; Field Sparrow, 36; White-throated Sparrow, 138; Swamp Sparrow, 14; Song Sparrow, 49. **Total,** 45 species; 2858 individuals.—Mrs. Robert Coombs, Mr. and Mrs. John Y. Dater (compilers), Betty and Joan Dietert, Caspar Hossfeld, Mr. and Mrs. John MacDougall, Mrs. H. G. McEntee, Robert Turner, Mr. and Mrs. E. Wanek, Mrs. Lemuel Webster (Fyke Nature Association).

116. Raritan Estuary, N.J. (same area as in 1938 and subsequent years; old pasture 10%, deciduous woodland 20%, coniferous woodland 10%, swampy woods 20%, fresh-water swamp 5%, brackish meadows 20%, town suburbs 15%).—Dec. 29; 4 a.m. to 5:30 p.m. Fog (visibility zero) from start to late morning, then overcast (visibility up to 2 mi.); temp. 33° to 40°; wind, none until noon, then SW-W, 1-5 m.p.h.; ground frozen but thawing, clear of snow; thin ice on ponds, running water open. Fifteen observers in 7 parties. Total party-hours, 56½

(39 on foot, 17½ by car); total party-miles, 316 (51 on foot, 265 by car). Horned Grebe, 19; Black-crowned Night Heron, 1; Mallard, 7; Black Duck, 38; Am. Widgeon, 3; Wood Duck, 1; Greater Scaup, 5800 (±10%); Am. Golden-eye, 130; Buffle-head, 83; Old-squaw, 24; White-winged Scoter, 36; Am. Scoter, 1; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 5; Peregrine Falcon, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 2; Clapper Rail, 2; Killdeer, 22; **Red Knot,** 10 (closely observed in flight and at rest with 20x scope at 100 yds.—C.D.B., A.E.E., C.H., J.J.); Red-backed Sandpiper, 2; Semi-palmated Sandpiper, 2; Sanderling, 56; Great Black-backed Gull, 3; Herring Gull, 538; Ring-billed Gull, 18; Bonaparte's Gull, 85; Mourning Dove, 28; Barn Owl, 3; Screech Owl, 8; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Hairy Woodpecker, 7; Downy Woodpecker, 41; **Eastern Phoebe,** 1 (D.F.); Horned Lark (Northern), 99; **Tree Swallow,** 66 (one flock feeding on bayberry); Blue Jay, 82; Am. Crow, 132 (lowest count in many years); Black-capped Chickadee, 70; Carolina Chickadee, 6; Tufted Titmouse, 51; White-breasted Nuthatch, 18; Brown Creeper, 9; **House Wren,** 1 (J.B.); Winter Wren, 3; Carolina Wren, 3; Mockingbird, 3; Catbird, 1; Am. Robin, 8; Hermit Thrush, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 19; Water Pipit, 1; Common Starling, 3426 in daytime, 90,000 (±20%) in roost; Myrtle Warbler, 125; House Sparrow, 981; Eastern Meadowlark, 3; Red-winged Blackbird, 289 in daytime, 60,000 (±20%) in roost; Rusty Blackbird, 4; Purple Grackle, 223 in daytime (both Purple and Bronzed forms identified), 20,000 (±20%) in roost; Brown-headed Cowbird, 1121 in daytime, 25,000 (±20%) in roost; Cardinal, 72; **Dickcissel,** 1 (J.B., E.L.C., G.G.D.); Purple Finch, 2; Am. Goldfinch, 64; Eastern Towhee, 4; Savannah Sparrow, 43; Sharp-tailed Sparrow, 1; Vesper Sparrow, 25; Slate-colored Junco, 549; Am. Tree Sparrow, 1080; Field Sparrow, 27; White-throated Sparrow, 281; Fox Sparrow, 6; Swamp Sparrow, 84; Song Sparrow, 252; Lapland Longspur, 1; Snow Bunting, 80. **Total,** 87 species (1 additional subspecies); about 206,273 individuals.—James Baird, Clarence D. Brown, Gilbert Cant (compiler), John G. H. Cant, Edward L. Chalif, George G. Daniels, Alfred E. Eynon, David Fables, Charles Hetzel, John T. S. Hunn, Joseph Jehl, Jr., William Sandford, George M. Seeley, Ethel and Glen Woolfenden (Urner Ornithological Club).

117. Sussex County, N. J. (same area as last year, except center of circle moved 1 mile west to include Culver Lake and all of Lake Mohawk).—Dec. 27; 6 a.m. to 5 p.m. Partly cloudy, clearing in p.m.; temp. 25° to 38°; wind NW to W, 15-5 m.p.h.; large bodies of water and some swift-moving streams open, marshes mostly frozen; ground bare. Fourteen observers in 5 parties, plus 4 others at feeding stations. Total party-hours, 31¼ (2 on foot, 29¼ by car); total party-miles, 283 (3 on foot, 280 by car). Common Loon, 3; Horned Grebe, 2; Pied-billed Grebe, 4; Mute Swan, 1; Mallard, 5; Black Duck, 79; Wood Duck, 2; Redhead, 1; Greater Scaup, 8; Hooded Merganser, 22; Am. Merganser, 99; Sharp-shinned Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 1; Am. Coot, 5; Killdeer, 1; Herring Gull, 8; Mourning Dove, 252 (250±50, 2); Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 11; Downy Woodpecker, 31; Horned Lark, 20 (Northern 6, Prairie 14); Blue Jay, 51; Am. Crow, 234; Black-capped Chickadee, 82; Tufted Titmouse, 1; White-breasted Nuthatch, 24; Eastern Bluebird, 2; Golden-crowned Kinglet, 4; Cedar Waxwing, 1; Loggerhead Shrike, 2 (seen with 25x scope at close range); Common Starling, 1901 (700 est., 1201); House Sparrow, 1209; Brown-headed Cowbird, 2; Cardinal, 23; Purple Finch, 7; Am. Goldfinch, 44; Vesper Sparrow, 1; Slate-colored Junco, 349; Am. Tree Sparrow, 277; White-throated Sparrow, 4; Song Sparrow, 7. **Total,** 48 species (1 additional subspecies); about 4809 individuals.—Beth Case, Elizabeth Cherepy, Louis Cherepy, Eleanor Coes, H. V. Coes, Jr., Mr. and Mrs. Albert Dillman, Mrs. Clarence Haight, Mrs. Frank Hunt, Mr. and Mrs. George Johnson, Elbert Nixdorf (compiler), John Palsulich, Beverly Post, Margaret Post, Mrs. Lebbeus Potter, Eva Rodimer, Mrs. R. H. Seip (Sussex County [N. J.] Bird Club).

118. Allentown, Pa. (Lake Muhlenberg, Trexler Memorial Park, Lehigh Parkway, Waldheim, 8 miles west to Trexlertown and vicinity; swampland 30%, pine grove 10%, small ponds 10%, open farmland 10%, deciduous woodlot 40%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Sunny; temp. 27° to 41°; wind W, 0-27 m.p.h. Eleven observers in 3 parties. Total party-hours, 12¼ (9¼ on foot, 3 by car); total party-miles, 87 (17 on foot, 70 by car). Mallard, 1027; Black Duck, 26; Gadwall, 3; Am. Widgeon, 37; Pintail, 4; Green-winged Teal, 17; Shoveller, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 5; Ring-necked Pheasant, 42; Killdeer, 6; Herring Gull, 2; Mourning Dove, 34; Screech Owl, 4; Long-eared Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 25; Blue Jay, 2; Am. Crow, 155; Black-capped Chickadee, 3; Tufted Titmouse, 16; White-breasted Nuthatch, 9; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 1; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 4 (at least one bird seen by all observers); Common Starling, 956; House Sparrow, 286; Rusty Blackbird, 4; Purple Grackle, 1; Cardinal, 43; Purple Finch, 4; Am. Goldfinch, 6; Slate-colored Junco, 177; Am. Tree Sparrow, 63; White-throated Sparrow, 19; Swamp Sparrow, 4; Song Sparrow, 14. **Total,** 45 species; 3057 individuals.—George A. Dornann, Connie Frantz, A. F. Glose, John Glose, Samuel Lewis, John O. Liebig, Clinton Miller, Robert Miller, Carl E. Montgomery (compiler), Earl E. Montgomery, Herman A. Weil.

119. Bowmansville, Pa. (3-mile radius centering ¼ mile west of Bowmansville; deciduous bottomland 20%, deciduous upland 5%, coniferous upland 5%, town suburbs 10%, plowed land 25%, farm woodlots 5%, grassland 30%).—Dec. 31; 9 a.m. to 4:45 p.m. Partly cloudy; temp. 30° to 26°; wind NW, 20-30 m.p.h.; ground bare, streams open, ponds frozen. Two observers in 1 party. Total hours, 7¾ (3¾ on foot, 4 by car); total miles, 53 (5 on foot, 48 by car). Sparrow Hawk, 1; unidentified hawk, 4; Ring-necked Pheasant, 49; Killdeer, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 12; Blue Jay, 2; Am. Crow, 41; Black-capped Chickadee, 3; Tufted Titmouse, 9; White-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 9; Common Starling, 138 (115 est., 33); House Sparrow, 46 (25 est., 21); Eastern Meadowlark, 1; Cardinal, 7; Am. Goldfinch, 1; Slate-colored Junco, 126; Field Sparrow, 2 [no details—ED.]; Song Sparrow, 2. **Total,** 21 species; about 463 individuals.—Richard Glick, Nevin Musser (compiler).

120. Carlisle, Pa. (same area as 1951 count; open farmland 45%, creeks, ponds, and springs 25%, mixed woodland 15%, farm woodlots 10%, town suburbs 5%).—Dec. 31; 7 a.m. to 4:30 p.m. Mostly clear, snow flurries in a.m.; temp. 31° to 34°; wind W, 15-50 m.p.h.; ground bare; creeks and springs unfrozen but ponds partly frozen. Nine observers in 4 parties. Total party-hours, 26 (12 on foot, 14 by car); total party-miles, 255 (9 on foot, 246 by car). Great Blue Heron, 1; Mallard, 50; Am. Merganser, 4; Cooper's Hawk. 2; Red-tailed Hawk, 3; Sparrow Hawk, 8; Killdeer, 25; Screech Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 13; Horned Lark, 3; Blue Jay, 4; Am. Crow, 2905 (2100 est., 805); Black-capped Chickadee, 6; Tufted Titmouse, 48; White-breasted Nuthatch, 15; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 3; Am. Robin, 1; Golden-crowned Kinglet, 12; Loggerhead Shrike, 1; Common Starling, 2595 (2000 est., 595); House Sparrow, 303; Cardinal, 42; Purple Finch, 7; Am. Goldfinch, 17; Slate-colored Junco, 115; Am. Tree Sparrow, 59; White-crowned Sparrow, 2; White-throated Sparrow, 7; Song Sparrow, 18. **Total,** 36 species; about 6290 individuals. (Seen in area Dec. 25: Purple Grackle, 1; Dec. 30: Ring-necked Pheasant, 1; Jan. 2: Mourning Dove, 2.)—Forrest C. Grimm (compiler), Mr. and Mrs. John C. Grimm, Evan G. Thomas, Mr. and Mrs. H. G. VanRiper, Mrs. L. R. Vianey, Mr. and Mrs. E. A. Vuilleumier.

121. Clairton, Pa. (same as last year).—Dec. 27; 8 a.m. to 5:30 p.m. Partly cloudy; temp. 28° to 40°; wind SW, 8-12 m.p.h.; ground bare; some ice on streams and ponds. One observer. Total hours, 9½; total miles, 8 (on foot). Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Ring-necked Pheasant, 1; Screech Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Am. Crow, 2; Black-capped Chickadee, 5; Tufted Titmouse, 6; Carolina Wren, 8; Common Starling, 212; House Sparrow, 26; Cardinal, 27; Slate-colored Junco, 10; Am. Tree Sparrow, 7; Song Sparrow, 5. **Total,** 16 species; 319 individuals. —Ellis H. Shimp.

122. Deer Creek (Allegheny Co.), Pa. (Denny's Pond to ½ mile west of Carson's, both sides of creek, wooded section west of turnpike, both sides of railroad 1 mile north of High Bridge; Allegheny River, Hulton Bridge to upper end of 14-mile Island; deciduous woodland 75%, open farmland 15%, marsh 5%, urban territory 5%).—Dec. 27; 7:30 a.m. to 2:30 p.m.; temp. 32° to 40°; calm; slight covering of snow, floating ice on river, ice on shoreline. Ten observers in 3 parties. Total party-hours, 21; total party-miles, 24 (19 on foot, 5 by car). Mallard, 2; Black Duck, 36; Am. Merganser, 1; Cooper's Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 2; Mourning Dove, 6; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Am. Crow, 11; Black-capped Chickadee, 24; Tufted Titmouse, 15; White-breasted Nuthatch, 8; Carolina Wren, 8; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Common Starling, 20; House Sparrow, 7; Cardinal, 8; Am. Goldfinch, 6; Eastern Towhee, 2; Slate-colored Junco, 35; Am. Tree Sparrow, 128; White-throated Sparrow, 1; Song Sparrow, 22. **Total,** 26 species; 365 individuals.—W. Bishop, W. Couchman, J. Gensbigler, G. Hall, R. A. Hawker (compiler), R. Henderson, T. Hill, F. Krieger, J. Searight, J. Springer.

123. Easton, Pa. (7½-mile radius from junction of Delaware and Lehigh rivers; open farmland 50%, overgrown fields 25%, deciduous woods 25%).—Dec. 31; 8 a.m. to 5 p.m. Generally clear, but with several snow-squalls in a.m.; temp. 26° to 34°; wind NW, 12-15 m.p.h. Seven observers in 3 parties. Total party-hours, 18 (14½ on foot, 3½ by car); total party-miles, 73 (13 on foot, 60 by car). Mallard, 12; Black Duck, 17; Am. Merganser, 4; Red-tailed Hawk, 6; Peregrine Falcon, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 4; Killdeer, 1; Herring Gull, 3; Mourning Dove, 4; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 31; Horned Lark, 75; Am. Crow, 271; Black-capped Chickadee, 9; Tufted Titmouse, 21; White-breasted Nuthatch, 6; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 2; Eastern Bluebird, 27; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 1 (A.E.C., J.R.C., G.A.C., E.F.C.); Cedar Waxwing, 30; Common Starling, 4514; Myrtle Warbler, 5; House Sparrow, 335; Eastern Meadowlark, 18; Cardinal, 33; Dickcissel, 1 (J.R.C.); Purple Finch, 2; Am. Goldfinch, 30; Slate-colored Junco, 160; Am. Tree Sparrow, 26; Field Sparrow, 4; White-throated Sparrow, 53; Song Sparrow, 9. **Total,** 41 species; 5750 individuals. (Seen in area during period: Great Blue Heron, 1; Cooper's Hawk, 1; Ring-billed Gull, 2; Horned Owl, 1; Yellow-bellied Sapsucker, 1; Blue Jay, 2; Purple Grackle, 1.)—Dr. and Mrs. George A. Clark, George A. Clark, Jr.,

Dr. James L. Dyson, E. Earl Rider, June R. Conway, Albert E. Conway (compiler).

124. **Elverson (Chester Co.), Pa.** (same area as in previous years).—Dec. 28; 6 a.m. to 6 p.m. Overcast, turning to rain in p.m.; temp. 31° to 42°; wind E, 3-5 m.p.h.; ground bare; ponds partly frozen, streams open. Eleven observers in 4 parties. Total party-hours, 48 (40 on foot, 8 by car); total party-miles, 190 (30 on foot, 160 by car). Canada Goose, 18; Mallard, 102; Am. Merganser, 7; Turkey Vulture, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 12; Ruffed Grouse, 7; Ring-necked Pheasant, 60; Killdeer, 3; Wilson's Snipe, 13; Mourning Dove, 57; Barn Owl, 2; Screech Owl, 2; Horned Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 63; Horned Lark, 275; Blue Jay, 29; Am. Crow, 312; Black-capped Chickadee, 61; Tufted Titmouse, 99; White-breasted Nuthatch, 18; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 1; Eastern Bluebird, 24; Golden-crowned Kinglet, 68; Cedar Waxwing, 3; Common Starling, 1916; Myrtle Warbler, 13; House Sparrow, 845; Eastern Meadowlark, 66; Red-winged Blackbird, 90; Rusty Blackbird, 20; Brown-headed Cowbird, 8; Cardinal, 62; Purple Finch, 55; Common Redpoll, 1 (R.E.C.); Am. Goldfinch, 66; Vesper Sparrow, 1 (E.H.); Slate-colored Junco, 453; Am. Tree Sparrow, 662; Field Sparrow, 5; White-throated Sparrow, 116; Swamp Sparrow, 22; Song Sparrow, 109. **Total,** 56 species; 5801 individuals. (In area during count week: Black Duck, Purple Grackle, Eastern Towhee, Am. Robin, Water Pipit, fresh tracks of Great Blue Heron, Hermit Thrush.)—Richard Benner, Donald Bixler, Robert E. Cook (compiler), Robert Filmore, John Gehman, Morris M. Green, Jr., Eugene Hollinger, Larry Newswanger, Wesley Newswanger, Arthur T. Sigman, Norman Styer, Jr.

125. **Glenolden (Delaware Co.), Pa.** (7½-mile radius from Wallingford, Pa., same territory as in previous years; marsh 25%, deciduous woodland 20%, town suburbs 20%, uncultivated fields 10%, farmland 10%, water 10%, pine woods 5%).—Dec. 26; 5:30 a.m. to 5 p.m. Clear to overcast; temp. 28° to 40°; wind NW, 5 m.p.h.; ground bare; marshes, ponds, and upper reservoir frozen. Twenty observers in 8 parties. Total party-hours, 75 (38 on foot, 37 by car); total party-miles, 304 (59 on foot, 245 by car). Red-throated Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 21; Black-crowned Night Heron, 4; Mallard, 195; Black Duck, 1275; Gadwall, 1; Am. Widgeon, 2; Pintail, 38,426; Green-winged Teal, 14; Wood Duck, 1; Redhead, 2; Ring-necked Duck, 23; Greater Scaup, 5; Bufflehead, 5; Ruddy Duck, 74; Am. Merganser, 12; Turkey Vulture, 6; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 42; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 12; Sparrow Hawk, 24; Ring-necked Pheasant, 14; **Florida Gallinule,** 9 (seen by many observers prior to count); Am. Coot, 5; Killdeer, 90; Wilson's Snipe, 33; Lesser Yellow-legs, 1 (this and Pectoral Sandpipers observed closely, at leisure, with 8x binoculars; all identification marks clearly seen); **Pectoral Sandpiper,** 2 (these and Lesser Yellow-legs lingering in Tinicum marshes—Chas. Price, John Miller, Quintin Kramer, Jim Fowler); Great Black-backed Gull, 5; Herring Gull, 374; Ring-billed Gull, 202; Mourning Dove, 1; Barn Owl, 1; Screech Owl, 4; Horned Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 56; Eastern Phoebe, 1; Horned Lark, 150; Blue Jay, 14; Am. Crow, 532; Fish Crow, 3; Black-capped Chickadee, 16; Carolina Chickadee, 13; Tufted Titmouse, 66; White-breasted Nuthatch, 24; Brown Creeper, 5; **House Wren,** 3 (seen by many observers prior to count); Winter Wren, 12; Carolina Wren, 15; Mockingbird, 2; Am. Robin, 3; Hermit Thrush, 8; Eastern Bluebird, 41; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 1; Water Pipit, 2; Common Starling, 1045; Myrtle Warbler, 6; **Yellow-breasted Chat,** 2 (seen in two locations, 1 regularly at a feeder); House Sparrow, 584; Eastern Meadowlark, 44; Red-winged Blackbird, 1082; Rusty Blackbird, 59; Purple Grackle, 3; Brown-headed Cowbird, 206; Cardinal, 113; Purple Finch, 39; Am. Goldfinch, 103; Eastern Towhee, 5; Savannah Sparrow, 63; Vesper Sparrow, 2; Slate-colored Junco, 323; Am. Tree Sparrow, 770; Field Sparrow, 53; White-crowned Sparrow, 2; White-throated Sparrow, 914; Fox Sparrow, 20; Swamp Sparrow, 49; Song Sparrow, 392; Lapland Longspur, 3; Snow Bunting, 1. **Total,** 90 species; 47,817 individuals. (Seen in area Dec. 29: King Rail, 1; Hooded Merganser, 1—J.C.M.)—Doris Cortelyou, Polly Crawford, Mr. and Mrs. Emlen L. Cresson, David Cutler, Richard T. Darby, V. A. Debes, Howard Donaghy, Mr. and Mrs. John A. Gillespie, John A. Gillespie, Jr., Wm. Jay, John C. Miller, W. O'Connell, Sam Orr, Chas. E. Price, Jr., Edward H. Rigby (compiler), Mr. and Mrs. Paul Schwalbe, Asa Way (Delaware Valley Ornithological Club).

126. **Harrisburg, Pa.** (7½-mile radius centered on point in Camp Hill, including Wildwood Park, Susquehanna River, Marsh Run, Yellow Breeches and Conodoguinet creeks, the Blue Mountain and south to Grantham and Lewisberry; mixed deciduous woods 26%, pine woods 3%, farmland 32%, wooded mountain 13%, dumps 4%, creeks and river 11%, ponds and marshes 7%, suburbs 4%).—Dec. 26; 7 a.m. to 6 p.m. Partly cloudy; temp. 24° to 50°; wind W, gusts up to 35 m.p.h. in p.m.; ground bare, ponds frozen, ice on edges of creeks and river. Twenty-seven observers in 12 parties with 2 at 2 feeders. Total party-hours, 105½ (74 on foot, 31½ by car; total party-miles, 502 (80 on foot, 422 by car). Pied-billed Grebe, 2; Mallard, 106; Black Duck, 349; Pintail, 2; Ring-necked Duck, 4; Lesser Scaup, 5; Am. Golden-eye, 64; Buffle-head, 16; Am. Merganser, 50; Turkey Vulture, 9; Cooper's Hawk, 6; Red-tailed Hawk, 8; Red-shouldered Hawk, 9; Rough-legged

Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 33; Ruffed Grouse, 17; Bob-white, 12; Ring-necked Pheasant, 76; Killdeer, 39; Greater Yellow-legs, 1 (identified by call and comparison with size of a nearby Killdeer—P. Myers); Herring Gull, 8; Ring-billed Gull, 5; Mourning Dove, 22; Screech Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 20; Yellow-shafted Flicker, 13; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 137; Eastern Phoebe, 1; Horned Lark, 67; Blue Jay, 37; Am. Crow, 1300; Fish Crow, 7; Black-capped Chickadee, 16; Tufted Titmouse, 155; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 3; Brown Creeper, 23; Winter Wren, 11; Carolina Wren, 26; Mockingbird, 3; Catbird, 1; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 9; Golden-crowned Kinglet, 57; Ruby-crowned Kinglet, 2; Common Starling, 2724; Myrtle Warbler, 3; House Sparrow, 1410; Eastern Meadowlark, 18; Red-winged Blackbird, 1; Rusty Blackbird, 12; Purple Grackle, 6; Cardinal, 256; Purple Finch, 5; Pine Siskin, 2; Am. Goldfinch, 128; Eastern Towhee, 6; Slate-colored Junco, 427; Am. Tree Sparrow, 259; Field Sparrow, 16; White-crowned Sparrow, 1; White-throated Sparrow, 87; Fox Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 68. **Total,** 71 species; about 8250 individuals. (Seen in area Dec. 28: Old-squaw, 1; Jan. 2: Red-bellied Woodpecker, 1; Jan. 3: Canvas-back, 3; Horned Grebe, 1; Hooded Merganser, 5.)—Jack Beatty, Mary Burkholder, John Dohner, David Eshelman, Bill Fenical, Forrest Grimm, George H. Gruber, Fred Howard, Kenneth B. Hoover, Randall Kinch, D. L. Knohr, Anne Kutz, William A. Leif, Polly Monz, Phil Myers, Gladys Peck, Mrs. B. S. Peters, Allen Rebuck, Jerome A. Reid, Mrs. William R. Ritter, George Salkeld, Joseph Snow, Ted Stevens, Evan G. Thomas (compiler), Mr. and Mrs. G. E. Thomas, Mark Walgemuth (Harrisburg Bird Club).

127. Hollsopple, Pa. [listed under Johnstown last year] (west side of Quemahoning Reservoir from northern end south to a point where the unpaved road crosses Quemahoning Creek, including area lying between this road and water's edge for this entire distance; open water 50%, dense pine plantings 25%, hemlock grove 10%, open woodland 10%, roadside 5%).—Dec. 26; 8:30 a.m. to 4:30 p.m. Overcast; temp. 30°; wind SSE to N, 13-18 m.p.h.; ground bare; entire reservoir open with only several small streams feeding into it frozen at places; late afternoon rain turned to sleet. Three observers in 1 and 2 parties. Total party-hours, 11 (11 on foot, 0 by car); total party-miles, 8 (8 on foot, 0 by car). Mallard, 61; Black Duck, 99; Redhead, 2; Am. Golden-eye, 2; Buffle-head, 2; Ruddy Duck, 2; Downy Woodpecker, 1; Am. Crow, 6; Black-capped Chickadee, 22; Tufted Titmouse, 10; White-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 15; Cardinal, 1; Slate-colored Junco, 42; Am. Tree Sparrow, 5; Song Sparrow, 1. **Total,** 16 species; 274 individuals. (One other duck was seen but not identified; it was probably a teal sp.)—Merle Jacobs, John E. Lehman, Stanwyn G. Shetler (compiler).

128. Lancaster, Pa. (7½-mile radius centered 1 mile northwest of Millersville, Pa., including all of the Susquehanna River from Columbia, Pa., to Pequea, Pa.; Lake Grubb area, most of the Conestoga River from the city water works to Safe Harbor, Pa., lower portion of Pequea Creek, Long Park, and Lancaster Brickyard swamp; heavy deciduous woodland 15%, light deciduous woodland 20%, conifer plantation 5%, plowed land 15%, pasture 10%, cattail and tussock swamps 5%, town suburbs and parkland 5%, open river and pond water 25%).—Dec. 27; 8 a.m. to 4:30 p.m. Bright and clear; temp. 28° to 40°; wind NW, about 25 m.p.h.; quiet backwater frozen, channels filled with floating ice. Fifteen observers in 5 parties. Total party-hours, 38 (28 on foot, 10 by car); total party-miles, 108 (26 on foot, 82 by car). Horned Grebe, 3; Pied-billed Grebe, 2; Mallard, 888; Black Duck, 3228; Pintail, 4; Lesser Scaup, 3; Am. Golden-eye, 93; Buffle-head, 6; Am. Merganser, 312; Turkey Vulture, 2; Black Vulture, 5; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Bald Eagle, 4; Marsh Hawk, 3; Sparrow Hawk, 7; Ring-necked Pheasant, 24; Killdeer, 14; Herring Gull, 18; Ring-billed Gull, 320; Mourning Dove, 52; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 34; Eastern Phoebe, 1; Horned Lark, 35; Blue Jay, 3; Am. Crow, 936; Fish Crow, 10; Black-capped Chickadee, 15; Tufted Titmouse, 20; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 9; Mockingbird, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 28; Water Pipit, 4; Loggerhead Shrike, 2; Common Starling, 609; Myrtle Warbler, 3; House Sparrow, 422; Eastern Meadowlark, 24; Cardinal, 57; Purple Finch, 3; Am. Goldfinch, 16; Slate-colored Junco, 239; Am. Tree Sparrow, 53; Field Sparrow, 10; White-throated Sparrow, 98; Swamp Sparrow, 3; Song Sparrow, 33. **Total,** 58 species; 7699 individuals.—M. L. Lampe, H. R. Woerner, Ruth Sener, C. Y. Tanger, Mrs. C. Y. Tanger, Carl Fasnacht, H. C. Brown, Jr., L. V. Hassel, T. R. Hake, S. H. Dyke, J. W. Price, Jr., Richard Eyde, Ruth Nolt, Richard Sheppard, K. B. Corbett (compiler) (Lancaster County Bird Club).

129. Lewisburg, Pa. (Mifflinburg east to Montandon, north to Mazeppa and Housels Run, south to Penns Creek and Winfield, including Kincaid Swamp, Susquehanna River, Chillisquaque Creek, Buffalo Creek, Dales Ridge and Limestone Ridge; mixed woodland 30%, farmland 50%, cattail marsh 5%, riverbank 10%, suburbs 5%).—Dec. 26; 5:30 a.m. to 5:30 p.m. Clear, no wind early in day; temp. 21° to 30°; wind NW, 20-30 m.p.h. from 10:30 a.m. until late in day. Eight observers in 2 parties. Total individual-hours, 55 (39 on foot, 16 by car); total individual-miles, 376 (28 on foot, 348 by car) [party-hours and party-miles not given—Ed.]. Black Duck, 26; Am. Golden-eye, 1; Am. Merganser, 29; Turkey Vulture, 1; Goshawk, 1 (L.M., R.H.); Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ring-

necked Pheasant, 8; Killdeer, 1; Herring Gull, 1; Barn Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 17; Blue Jay, 1; Am. Crow, 544; Fish Crow, 1; Black-capped Chickadee, 5; Tufted Titmouse, 38; White-breasted Nuthatch, 9; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1 (W.E.M.); Water Pipit, 11; Gray Shrike, 1; Common Starling, 408; House Sparrow, 95; Red-winged Blackbird, 5; Cardinal, 26; Am. Goldfinch, 23; Slate-colored Junco, 139; Am. Tree Sparrow, 129; Field Sparrow, 2; Song Sparrow, 11. **Total,** 41 species; 1554 individuals. (Seen in area Dec. 23: Eastern Meadowlark; Dec. 24: Cedar Waxwing; Dec. 29: Yellow-shafted Flicker.)—Blain Daugherty, Robert Holman, Wayne E. Manning, Larry McQueen, Robert Pawling, Hollis T. Ross (compiler), Margaret Ross, Roy C. Tasker (Bucknell Ornithological Club).

130. Linesville, Pa. (7½-mile radius from point 2 miles southeast of Linesville center, including part of Ohio shore of Pymatuning Reservoir and Conneaut Lake; lake shore 40%, swamp 10%, open fields 25%, towns 5%, mixed woods 20%).—Dec. 28; 8:30 a.m. to 4:40 p.m. Cloudy to heavily overcast; temp. 28° to 35°; wind NW, 10-15 m.p.h.; ground partially frozen, partially covered with 1-3-in. snow; Conneaut Lake open, Pymatuning 95% frozen. Three observers in 1 party. Total hours, 8 (4 on foot, 4 by car); total miles, 48 (6 on foot, 42 by car). Horned Grebe, 7; Pied-billed Grebe, 4; Whistling Swan, 2; Canada Goose, 1725 (1500 est., 225); Mallard, 1100 (est.); Black Duck, 39; Redhead, 5, Ring-necked Duck, 7; Canvas-back, 3; Lesser Scaup, 10; Am. Golden-eye, 44; Buffle-head, 28; Old-squaw, 1 (♀ observed at close range through telescope); Ruddy Duck, 4; Hooded Merganser, 33; Red-tailed Hawk, 2; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 8; Am. Coot, 10; Short-eared Owl, 3; Downy Woodpecker, 5; Blue Jay, 1; Black-capped Chickadee, 25; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Am. Robin, 3; Golden-crowned Kinglet, 8; Cedar Waxwing, 76; Common Starling, 5; House Sparrow, 78; Cardinal, 1; Slate-colored Junco, 15; Am. Tree Sparrow, 78; Song Sparrow, 3. **Total,** 36 species; about 3342 individuals. (Observed at Presque Isle, Erie, Pa., Dec. 29: 1 Am. Merganser, 1 Am. Widgeon, 85 Whistling Swans, a few Ring-necked Ducks, Greater and Lesser Scaup, thousands of Canvas-back, Redhead, Am. Golden-eye, and Buffle-head.)—Sara E. Flaugh (compiler), Marguerite Geibel, Imogene White (Meadville Bird and Tree Club).

131. Lititz, Pa. (center of Lititz in northern Lancaster County to 7 miles north, Hammer Creek Valley area, White Oak Pond; town suburbs 10%, deciduous farm wood lots 30%, pasture 60%).—Dec. 27; 8 a.m. to 4 p.m. Clear; temp. 30° to 42°; wind NW, 5-8 m.p.h.; ponds and creeks open. Eight observers in 3 parties. Total party-hours, 23 (21 on foot, 2 by car); total party-miles, 35 (25 on foot, 10 by car). Mallard, 5; Turkey Vulture, 45; Cooper's Hawk, 1; Red-tailed Hawk, 10; Rough-legged Hawk, 1; Sparrow Hawk, 16; Ruffed Grouse, 4; Bob-white, 1; Ring-necked Pheasant, 109; Killdeer, 11; Mourning Dove, 22; Screech Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 35; Horned Lark, 67; Blue Jay, 36; Am. Crow, 740; Black-capped Chickadee, 30; Tufted Titmouse, 61; White-breasted Nuthatch, 15; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 2; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 2 [no details—Ed.]; Cedar Waxwing, 30; Common Starling, 1800 (est.); House Sparrow, 410; Eastern Meadowlark, 50; Cardinal, 82; Am. Goldfinch, 38; Slate-colored Junco, 730; Am. Tree Sparrow, 670; Field Sparrow, 1; White-throated Sparrow, 67; Swamp Sparrow, 1; Song Sparrow, 128. **Total,** 41 species; 5260 individuals.—Robert Buch, William Light, Paul Seaber, Jr., Charles Regennas, Milton Steffy, Fred Gochenaur, James Witmyer, Barton L. Sharp (compiler) (Lititz Bird Club).

132. New Bloomfield, Pa. (same area as in previous years).—Dec. 27; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 30° to 40°; wind W, 5-15 m.p.h.; ground soft and bare of snow; ponds and creeks partly frozen. Twelve observers in 4 parties. Total party-hours, 30 (20 on foot, 10 by car); total party-miles, 225 (31 on foot, 194 by car). Mallard, 1; Black Duck, 2; unidentified ducks, 4; Goshawk, 2 (1 im., 1 ad.—L.M., J.S.); Red-tailed Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 3; unidentified hawk, 1; Ruffed Grouse, 15; Bob-white, 19; Ring-necked Pheasant, 9; Killdeer, 10; Mourning Dove, 11; Barn Owl, 1; Screech Owl, 4; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 20; Horned Lark, 1; Blue Jay, 8; Am. Crow, 647; Black-capped Chickadee, 29; Tufted Titmouse, 92; White-breasted Nuthatch, 15; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 5; Mockingbird, 1; Catbird, 1; Eastern Bluebird, 20; Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 2 (both at feeding stations—J.S., Dr. and Mrs. O.K.S., G.W.); Cedar Waxwing, 9; Common Starling, 741; Myrtle Warbler, 13; House Sparrow, 847; Cardinal, 156; Am. Goldfinch, 146; Slate-colored Junco, 183; Am. Tree Sparrow, 62; **Chipping Sparrow,** 1 (observed at 20 ft. with 8x glasses, associating with Field and Tree Sparrows—O.K.S.); Field Sparrow, 43; White-throated Sparrow, 9; Swamp Sparrow, 3; Song Sparrow, 6. **Total,** 46 species; 3197 individuals.—Leroy Myers, John Soule, O. K. Stephenson (full time); Norvin Bowyer, Frank Fry, Sr., Frank Fry, Jr., Frank Magee, Sr., Frank Magee, Jr., Mrs. Leroy Myers, Mrs. O. K. Stephenson, Mrs. Gwen Wueller (part time); Mrs. Arthur Rice (at feeding station).

133. Pennypack Valley, Philadelphia, Pa. (Delaware River to Sorrel Horse; riverfront 10%, public parks 30%, suburban areas and farmland 40% [20%=?—Ed.]; Count represents a creek valley and

95% of birds reported were in sight of creek.)—Dec. 26; 7:30 a.m. to 3:30 p.m. Clear in a.m., cloudy in p.m.; temp. 24° ot 41°; wind W to WSW, 11 m.p.h.; ground frost free. Twenty-five observers in 5 parties. Total party-hours, 35 (30 on foot, 5 by car); total party-miles, 25 (20 on foot, 5 by car). Common Loon, 2; Mallard, 34; Black Duck, 3; Pintail, 100+; Buffle-head, 67; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 7; Ring-necked Pheasant, 8; Killdeer, 3; Herring Gull, 50; Mourning Dove, 45; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 28; Blue Jay, 15; Am. Crow, 89; Black-capped Chickadee [= largely Carolina?—Ed.], 38; Tufted Titmouse, 116; White-breasted Nuthatch, 18; Brown Creeper, 2; Winter Wren, 10; Carolina Wren, 1; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 12; Golden-crowned Kinglet, 27; Common Starling, 720; House Sparrow, 120; Eastern Meadowlark, 4; Cardinal, 44; Purple Finch, 23; Am. Goldfinch, 60; Slate-colored Junco, 325; Am. Tree Sparrow, 47; Chipping Sparrow, 4; Field Sparrow, 4; White-throated Sparrow, 190; Fox Sparrow, 2; Song Sparrow, 52. **Total,** 42 species; 2288 individuals.—Margaret and Ethel Butler, David Franz, Louis Reichel, George Sivel, Paul Weirich, Helen Bates, Frank McLenigan, Helen Brower, Dick Janda, George Lakata, William Nixon, William Green, Edna Mawhinney, Gertrude Eldredge, Eleanor Phillips, Minna Werner, Sadie Ashendorf, Carolina Schell, Margaret Loye, William Yoder, Mary McNabb, Hilda Weber, Edna Adamss, John T. McNeill (Pennypack Valley Bird Club).

134. **Philadelphia, Pa.** (7½-mile radius from Queen Lane Reservoir; same habitat as previous years with exception of loss of area due to expansion of housing and industrial developments in suburban and urban territories).—Jan. 2; 3:30 a.m. to 4:30 p.m. Clear; temp. 29° to 44°; wind N-NW, 8-12 m.p.h.; marshes thawed by noon; East Park and Queen Lane reservoirs open. Ten observers in 5 parties. Total party-hours, 76 (59 on foot, 17 by car); total party-miles, 320 (100 on foot, 220 by car). Horned Grebe, 1; Great Blue Heron, 1; Black-crowned Night Heron, 1; Mallard, 26; Black Duck, 1200 (est.); Pintail, 2035; Green-winged Teal, 4; Redhead, 1; Canvasback, 1; Lesser Scaup, 1; Am. Golden-eye, 35; Buffle-head, 1; Ruddy Duck, 650; Am. Merganser, 202; Red-breasted Merganser, 2; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 3; Killdeer, 20; Great Black-backed Gull, 1; Herring Gull, 95; Ring-billed Gull, 65; Mourning Dove, 6; Barn Owl, 1; Screech Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 8; Downy Woodpecker, 48; Horned Lark, 10; Blue Jay, 11; Am. Crow, 800; Fish Crow, 6; Black-capped Chickadee, 10; Carolina Chickadee, 33; Tufted Titmouse, 137; White-breasted Nuthatch, 22; Brown Creeper, 3; Winter Wren, 8; Carolina Wren, 29; Mockingbird, 2; Catbird, 1; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 52; Ruby-crowned Kinglet, 1; Water Pipit, 4; Cedar Waxwing, 6; Common Starling, 2746; Myrtle Warbler, 23; House Sparrow, 243; Eastern Meadowlark, 2; Red-winged Blackbird, 31; Cardinal, 108; Purple Finch, 6; Am. Goldfinch, 85; Eastern Towhee, 2; Savannah Sparrow, 15; Slate-colored Junco, 250; Am. Tree Sparrow, 281; Field Sparrow, 43; White-throated Sparrow, 555; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 75. **Total,** 70 species; about 10,052 individuals.—J. Cadbury, Joel Cadbury, D. Cutler (compiler), R. F. Miller, W. Jay, E. J. Reimann, L. Shectman, W. Reynolds, H. Wakernagle, C. Wonderly (Delaware Valley Orn. Club).

135. **Pittsburgh, Pa.** (city and suburbs, Frick Park, Riverview Park, Schenley Park, Highland Park, Emsworth, Fox Chapel, McKeesport, Rosslyn Farms, Castle Shannon, North Park; deciduous woodlots 30%, brushy areas 20%, open areas 50%).—Dec. 27; 8:30 a.m. to 4 p.m. Clear; temp. 28° to 35°; wind SW, 10 m.p.h.; ground bare. Thirty observers in 14 parties. Total party-hours, 38 on foot; total party-miles, 42 on foot. Mallard, 4; Am. Golden-eye, 12; Cooper's Hawk, 2; Sparrow Hawk, 4; Bob-white, 2; Ring-necked Pheasant, 22; Killdeer, 1; Screech Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 41; Horned Lark, 11; Am. Crow, 23; Black-capped Chickadee, 73; Tufted Titmouse, 65; White-breasted Nuthatch, 46; Brown Creeper, 10; Carolina Wren, 4; Am. Robin, 1; Golden-crowned Kinglet, 10; Common Starling, 220; House Sparrow, 456; Cardinal, 162; Pine Siskin, 1; Am. Goldfinch, 108; Slate-colored Junco, 164; Am. Tree Sparrow, 144; Field Sparrow, 3; White-crowned Sparrow, 2; White-throated Sparrow, 6; Song Sparrow, 42. **Total,** 33 species; 1651 individuals.—J. F. Mehner, Sylvia Reebel, Carol Reebel, Roy Bowman, Richard Miller, Richard Miller, Jr., Carl Holbrook, Russell Buehl, Edith Portman, Elizabeth, Grace and E. H. McClelland, Janette Dickson, Margaret Chantler, J. R. Lehman, Mr. and Mrs. Graham Netting, Anthony Netting, Helen Blair, Mary Hartsough, Margaret Wiegand, Gerry Guarino, W. E. Tawser, Jr., David Hart, Forest Alter, Mrs. R. H. Horn, G. B. Van Cleve, L. F. Savage, J. A. Wilkinson, and C. B. Shoemaker (compiler) (Audubon Society of Western Pennsylvania).

136. **Port Allegany, Pa.** (5-mile radius centering on Route 6, Allegany River crossing in Port Allegany and including Swartz Hollow, Dunbar Crossing, Grimes District; pasture 10%, town suburbs 10%, hemlock groves 15%, deciduous farm woodlot 10%, mountain forest 10%, river flats and marshland 40%, plowland 5%).—Dec. 30; 7:30 a.m. to 4:30 p.m. Overcast; temp. 32° to 27°; wind NW-W, 8-10 m.p.h.; ground almost bare, snow flurries; all streams open. Two observers in 1 party. Total hours, 8 (6 on foot, 2 by car); total miles, 23 (8 on foot, 15 by car). Mallard, 3; Ruffed Grouse, 3; Belted Kingfisher, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 2; Black-capped Chickadee, 23; White-

breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Golden-crowned Kinglet, 8; Common Starling, 63; House Sparrow, 30; Common Redpoll, 12; Pine Siskin, 12; Am. Goldfinch, 2; Slate-colored Junco, 25; Am. Tree Sparrow, 95 (est.); Song Sparrow, 6. **Total,** 18 species; about 298 individuals.—Gerald Baker, Forrest Watkins (compiler).

137. **Reading, Pa.** (7½-mile radius, centering 2 miles northeast of city, including Lake Ontelaunee and Birdsboro; deciduous woodland 30%, open farmland 30%, lakes and ponds 15%, streams and riverbottom 15%, pine plantation 10%).—Dec. 27; 7:30 a.m. to 4 p.m. Clear; temp. 32° to 42°; wind NW, 5-10 m.p.h.; ground bare; lake half frozen, smaller ponds mostly frozen. Twenty-seven observers in 6 parties. Total party-hours, 42 (30 on foot, 12 by car); total party-miles, 130 (30 on foot, 100 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 14; **Whistling Swan,** 1 (present on lake since Nov. 26); Canada Goose, 35; **Blue Goose,** 1 (present on lake since Oct. 31); Mallard, 1002; Black Duck, 5003; Gadwall, 3; Am. Widgeon, 160; Pintail, 100; Green-winged Teal, 11; Wood Duck, 1; Hooded Merganser, 10; Am. Merganser, 503; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 10; Ring-necked Pheasant, 21; Am. Coot, 4; Killdeer, 10; Herring Gull, 108; Ring-billed Gull, 2; Screech Owl, 2; Long-eared Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 27; Hairy Woodpecker, 10; Downy Woodpecker, 45; Blue Jay, 5; Am. Crow, 2712; Black-capped Chickadee, 60; Tufted Titmouse, 59; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 4; Brown Creeper, 6; Winter Wren, 3; Carolina Wren, 7; Mockingbird, 1; Catbird, 1; Am. Robin, 9; Hermit Thrush, 2; Eastern Bluebird, 12; Golden-crowned Kinglet, 50; Ruby-crowned Kinglet, 5; Cedar Waxwing, 30; Common Starling, 955; Myrtle Warbler, 49; House Sparrow, 448; Rusty Blackbird, 2; Cardinal, 51; Purple Finch, 15; Pine Siskin, 5; Am. Goldfinch, 142; Slate-colored Junco, 400; Am. Tree Sparrow, 102; Field Sparrow, 2; White-throated Sparrow, 74; Swamp Sparrow, 4; Song Sparrow, 46; Snow Bunting, 4. **Total,** 66 species; 12,400 individuals.—F. Babb, D. Berger, B. Bressler, R. E. Cook, K. Dearolf, J. Eshelman, C. Feick, R. Filmore, M. M. Green, S. Gundy, E. Hill, W. Kalbach, J. Malek, P. R. Martin, B. Nunemacher, R. D. Oaks, E. L. Poole (compiler), C. Schaich, W. R. Shade, Sr., W. R. Shade, A. Sigman, C. Stohler, J. Stroud, N. Styer, I. Weigley, D. White, S. Wishnieski (Baird Ornithological Club).

138. **Richboro (Bucks Co.), Pa.** (7-mile radius centered on firehouse, including Ironworks Creek valley from Mill Creek, including reservoir, to middle Holland Road; Grenoble along Little Neshaminy Creek, Elliot farm to Y. H.; Brighton woods near Langhorne; woods west of Second St. Pike, Newtown and Bryn Gweled; open farmland 10%, evergreen and deciduous woodlands 45%, brush-grown fields 40%, cattail and grassy marshland 5%).—Dec. 26; 4:30 a.m. to 4:30 p.m. Generally clear; temp. 20° to 26°; wind NW, light; ground clear; streams half frozen, lake 80% frozen. Eight observers in 7 parties. Total party-hours, 18½ (16 on foot, 2½ by car); total party-miles, 72 (27 on foot, 45 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 50; Black Duck, 12; Am. Widgeon, 6; Pintail, 1; Ring-necked Duck, 1; Lesser Scaup, 1; Am. Merganser, 8; Turkey Vulture, 4; Cooper's Hawk, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 11; Killdeer, 3; Herring Gull, 1; Mourning Dove, 27; Barn Owl, 1; Screech Owl, 5; Horned Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 9; Yellow-shafted Flicker, 14; Hairy Woodpecker, 11; Downy Woodpecker, 37; Horned Lark, 8; Blue Jay, 9; Am. Crow, 485; Black-capped Chickadee, 36; Carolina Chickadee, 5 (heard—E.R.); Tufted Titmouse, 58; White-breasted Nuthatch, 15; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 6; Mockingbird, 1; Am. Robin, 3; Hermit Thrush, 2; Eastern Bluebird, 13; Golden-crowned Kinglet, 46; Ruby-crowned Kinglet, 15 (A.B.); Cedar Waxwing, 2; Loggerhead Shrike, 1; Common Starling, 8000 (est.); Myrtle Warbler, 5; House Sparrow, 191; Eastern Meadowlark, 60; Red-winged Blackbird, 200 (est.); Purple Grackle, 100 (est.); Brown-headed Cowbird, 50; Cardinal, 42; Purple Finch, 4; Am. Goldfinch, 31; Eastern Towhee, 2; Savannah Sparrow, 8; Vesper Sparrow, 2; Slate-colored Junco, 222; Am. Tree Sparrow, 128; Field Sparrow, 4; White-throated Sparrow, 221; Swamp Sparrow, 2; Song Sparrow, 120. **Total,** 63 species; about 10,325 individuals.—Lou and Ida McConnell, Lester and Elizabeth Thomas, E. Reimann, Alan Brady, A. Herzog, K. Bengstom (Neshaminy Valley Nature Club).

139. **Scranton, Pa.** (same area as previous years). —Dec. 27; 8:30 a.m. to 5 p.m. Partially cloudy; temp. 32° to 38°; wind NW, 0-8 m.p.h.; ground bare. Twenty observers in 10 parties. Total party-hours, 35 (22 on foot, 13 by car); total party-miles, 223 (33 on foot, 190 by car). Mallard, 26; Black Duck, 190; **Am. Scoter,** 3 (studied carefully for 10 minutes at 50-75 yds.); Am. Merganser, 24; Sparrow Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 9; Am. Coot, 1; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 25; Blue Jay, 9; Am. Crow, 165; Black-capped Chickadee, 127; Tufted Titmouse, 1; White-breasted Nuthatch, 24; Brown Creeper, 1; Carolina Wren, 1; Mockingbird, 1; Am. Robin, 3; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 6 (3, 2, and 1 birds reported by 3 different parties); Gray Shrike, 1; Common Starling, 319; House Sparrow, 291; Purple Grackle, 1; Brown-headed Cowbird, 7; Cardinal, 29; Purple Finch, 2; Pine Siskin, 21; Am. Goldfinch, 33; Slate-colored Junco, 169; Am. Tree Sparrow, 131; White-throated Sparrow, 2; Song Sparrow, 6. **Total,** 39 species; about 1655 individuals. (One albino Black Duck observed fourth consecutive year.) —Mr. and Mrs. F. H. Coffin, Elizabeth Crellin, Cornelia Davis, William Friedrickson, Mrs. Walter

Hill, Helen Howarth, H. R. Jones (compiler), M. J. Kelly, Russell Landis, C. F. Manness, Mrs. J. W. Martin, Peter Price, A. L. Rogers, W. E. C. Speare, David and Ronald Wharton, Paul and Kenneth Widdall, Ed Williams (Scranton Bird Club).

140. Southeastern Bradford Co., Pa. (7½-mile radius centering 3.6 miles north of Wyalusing on U.S. Route 6, and including Camptown and vicinity and Susquehanna River from Wysox to Quick's Bend; Susquehanna River 50%, hemlock and mixed hardwood stands 15%, pine groves 5%, residential areas 5%, deciduous woods 10%, farmland and open fields 15%).—Jan. 1; 1:30 a.m. to 6:30 p.m. Cloudy with snow flurries; temp. 12° to 43°; wind W, 10-30 m.p.h.; ground mostly bare, all fresh water frozen except part of river and creeks. One observer. Total hours, 17 (9 on foot, 8 by car); total miles, 175 (6 on foot, 169 by car). Mallard, 6; Black Duck, 67; Green-winged Teal, 1; Am. Merganser, 188; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Herring Gull, 2; Screech Owl, 8; Horned Owl, 10; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Pileated Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 1; Am. Crow, 350; Black-capped Chickadee, 30; Tufted Titmouse, 3; White-breasted Nuthatch, 6; Brown Creeper, 1; Carolina Wren, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1 (closely observed and all field marks noted); Common Starling, 20; House Sparrow, 40; Purple Grackle, 1; Cardinal, 1; Purple Finch, 2; Common Redpoll, 4 (seen at 10 ft., marks and characteristic call noted); Am. Goldfinch, 30; Slate-colored Junco, 4; Am. Tree Sparrow, 30; Song Sparrow, 1. **Total,** 36 species; 837 individuals.—William Reid.

141. Stahlstown, Pa. (area 3½ miles north of Stahlstown on Dody Road, Unity Twp., Westmoreland County, Pa.; 7½-mile radius centered on the "Wm. Piper" gas well #1; elevation 2350 ft.; area covered by using old logging roads and trails almost grown over; open farms 15%, pine groves 10%, deciduous forest 75%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear in a.m., cloudy with snow in p.m.; temp. 24° to 30°; wind NNW-NW, 10-15 m.p.h., with gusts up to 30 m.p.h. One observer. Total hours, 9½ (8 on foot, 1½ by car); total miles, 10. Cooper's Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 3; Turkey, 6; Pileated Woodpecker, 1; Downy Woodpecker, 2; Am. Crow, 29; Black-capped Chickadee, 18; Tufted Titmouse, 1; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 5; Slate-colored Junco, 6; Am. Tree Sparrow, 1; Song Sparrow, 4. **Total,** 16 species; 84 individuals.—John R. Lehman.

142. State College, Pa. (campus, town, suburbs, surrounding farmlands, to Linden Hall, Meek's Church, Pa. Furnace, four mountain gaps and state forests, as far as Bear Meadows and Whipple's Dam; town and environs 20%, ponds 8%, streams with bushes 18%, farmlands with fencerows 23%, mountain woodlands 31%).—Dec. 26; 8 a.m. to 5 p.m. Clear in a.m., cloudy in p.m.; temp. 26° to 43°; wind S to SW, up to 25 m.p.h.; ground bare; streams and some ponds open, marshlands frozen. Twenty-one observers in 9 parties. Total party-hours, 39½ (32 on foot, 7½ by car); total party-miles, 207 (30 on foot, 177 by car). Pied-billed Grebe, 1; Mallard, 125; Black Duck, 2; Green-winged Teal, 1; Wood Duck, 1 (new to count); Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 8; Ruffed Grouse, 7; Ring-necked Pheasant, 3; Killdeer, 6; Wilson's Snipe, 2; Screech Owl, 1; Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 16; Eastern Phoebe, 1 (new to count); Horned Lark, 75; Blue Jay, 9; Am. Crow, 402; Black-capped Chickadee, 67; Tufted Titmouse, 36; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 2 (new to count); Am. Robin, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 1; Cedar Waxwing, 28; Loggerhead Shrike, 1 (C.E., S. Spencer, R.T.); Common Starling, 460; Orange-crowned Warbler, 1 (H.B.C., W. S. C., J. B.); Myrtle Warbler, 2; House Sparrow, 378; Eastern Meadowlark, 4; Red-winged Blackbird, 1 ♀; Rusty Blackbird, 20 (2nd count record); Cardinal, 18; Purple Finch, 108; Am. Goldfinch, 454 (present in large numbers this winter in mountain areas, feeding on birch seeds); Slate-colored Junco, 120; Am. Tree Sparrow, 161; Swamp Sparrow, 3; Song Sparrow, 5. **Total,** 55 species; 2592 individuals. (Seen in area Dec. 25: Am. Coot; Dec. 27: Field Sparrow—D.B.)—R. D. Anthony, James Brewer, Mrs. E. R. Bordner, Dorothy Bordner, W. S. Clarke, Jr. (compiler), Mrs. A. W. Cowell, H. B. Curry, Mr. and Mrs. D. P. Duvall, Charles Ely, Mrs. Hummel Fishburn, Mrs. Ruth Honey, Alice Latimer, Mrs. E. T. McDonald, Mrs. C. J. Rowland, Ward M. Sharp, Shirley Smith, Mrs. Ethel Smith, S. Spencer, Ralph Tindal, Merrill Wood (State College Bird Club).

143. Warren, Pa. (same area as last year).—Jan. 3; 8 a.m. to 4:30 p.m. Light rain to snow in p.m.; temp. 37° to 28°; wind NW, 8-10 m.p.h.; traces of snow on ground, streams open. One observer. Total hours, 8 (5 on foot, 3 by car); total miles, 43 (8 on foot, 35 by car). Pied-billed Grebe, 7; Screech Owl, 1; Belted Kingfisher, 3; Downy Woodpecker, 3; Blue Jay, 5; Black-capped Chickadee, 24; White-breasted Nuthatch, 3; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 10; Common Starling, 40; House Sparrow, 82; Cardinal, 5; Purple Finch, 3; Am. Goldfinch, 22; Slate-colored Junco, 25; Am. Tree Sparrow, 33; Field Sparrow, 3; White-throated Sparrow, 2; Song Sparrow, 4. **Total,** 20 species; 277 individuals.—Harris E. Johnson.

144. Washington Crossing, Pa. (Upper Makefield Twp. and parts of adjacent townships including Washington Crossing Park, Bowman's Hill and Mt.

Jericho [elev. 420 ft.]; 13½ miles along Delaware River and inland 4 miles; farms, estates, abandoned farmland, villages, lowland and upland deciduous woods and small stands of hemlock and cedar, pine and spruce plantings, canal, ponds and streams).—Dec. 26; 6 a.m. to 6 p.m. Clear in a.m., cloudy in p.m.; temp. 28° to 46°; wind W to SW, 5-15 m.p.h.; ground bare and frozen; river and streams open, ponds and canal mostly frozen. Five observers in 2 parties. Total party-hours, 48 (44 on foot, 4 by car); total party-miles, 108 (50 on foot, 58 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 199; Black Duck, 57; Pintail, 3; Am. Merganser, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 9; Am. Coot, 1; Herring Gull, 97; Mourning Dove, 66; Horned Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 20; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 40; Blue Jay, 13; Am. Crow, 98; Fish Crow, 14; Black-capped Chickadee, 13; Tufted Titmouse, 36; White-breasted Nuthatch, 14; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 5; Eastern Bluebird, 28; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 2; Common Starling, 1156; Myrtle Warbler, 8; House Sparrow, 263; Eastern Meadowlark, 80; Red-winged Blackbird, 2; Brown-headed Cowbird, 8; Cardinal, 29; Purple Finch, 3; Am. Goldfinch, 34; Eastern Towhee, 1; Slate-colored Junco, 328; Am. Tree Sparrow, 50; Field Sparrow, 18; White-throated Sparrow, 220; Song Sparrow, 55. **Total,** 45 species; 3025 individuals. (Seen in area Dec. 30: Ring-billed Gull, 12; Jan. 1: Killdeer, 1; Am. Golden-eye, 30; Jan. 3: Turkey Vulture, 1; Shoveller, 1.)—Henry Barlow, Howard Drinkwater, George Krall, Fred Van Sant, Jr., Nathaniel Wyckoff.

145. Wellsboro, Pa. (7½-mile radius centering in Wellsboro and covering Ansonia, Asaph Run, Balsam, Catlin Hollow, Ely Hill, Hill's Creek Dam Area, Marsh Creek, Stokesdale Marsh, and suburban Wellsboro; mixed woodland 35%, cultivated land 40%, waste and idle land 5%, stream 5%, frozen marsh 5%, miscellaneous 10%).—Dec. 27; 7 a.m. to 4:30 p.m. Partly cloudy (a.m.) to overcast (p.m.); temp. 22° to 40°; wind N-NW, moderate; ½- to 1½-in. fresh snow; all standing water frozen but most moving water open. Twenty-three observers in 6 parties. Total party-hours, 33 (22 on foot, 11 by car); total party-miles, 113 (21 on foot, 92 by car). Hooded Merganser, 1; Sparrow Hawk, 6; Ruffed Grouse, 24; Ring-necked Pheasant, 5; Horned Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 14; Horned Lark, 3; Blue Jay, 39; Am. Crow, 223; Black-capped Chickadee, 66; Tufted Titmouse, 5; White-breasted Nuthatch, 26; Winter Wren, 1; Common Starling, 840; House Sparrow, 504; Red-winged Blackbird, 25; Cardinal, 1; Purple Finch, 45; Am. Goldfinch, 9; Slate-colored Junco, 26; Am. Tree Sparrow, 414; White-throated Sparrow, 3; Song Sparrow, 4; Snow Bunting, 1. **Total,** 27 species; 2296 individuals.—Mrs. John Alexander, Mrs. Clyde Bailey, T. R. Bailey, Betty Blair, H. P. Boyden, Mrs. Henry Button, Florence Buckley, Frank Cameron, Leola DeRemer, Charles Ely (compiler), Wilda Ely, William Forsythe, Burdett Fuller, Morton Gross, Sue Grossen, Catherine Harrison, Mrs. Mortimer Kentch, Mrs. Frank Pagan, C. F. Russel, Robert Scudder, William Scudder, Charles G. Webb, Mrs. Charles G. Webb.

146. West Chester, Pa. (7½-mile radius; open farmland 55%, overgrown fields 20%, deciduous woods 20%, mixed evergreen planting 2%, serpentine barrens 1%, town suburbs 2%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Clear, with occasional overcast; temp. 26° to 35°; wind NW, 8-12 m.p.h., especially in p.m. Fifty-eight observers in 16 parties. Total party-hours, 102 (69½ on foot, 32½ by car); total party-miles, 467½ (88 on foot, 379½ by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Black-crowned Night Heron, 4; Canada Goose, 43; Mallard, 357; Black Duck, 189; Gadwall, 4; Am. Widgeon, 2; Pintail, 2; Redhead, 1; Ring-necked Duck, 40; Canvas-back, 1; Greater Scaup, 1; Lesser Scaup, 16; Am. Golden-eye, 2; Buffle-head, 2; Ruddy Duck, 1; Am. Merganser, 24; Turkey Vulture, 59; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 23; Red-shouldered Hawk, 10; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 31; Ring-necked Pheasant, 34; Am. Coot, 1; Killdeer, 58; Wilson's Snipe, 2; Herring Gull, 1; Mourning Dove, 94; Screech Owl, 3; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 18; Yellow-shafted Flicker, 31; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 99; Eastern Phoebe, 1; Horned Lark, 50; Blue Jay, 33; Am. Crow, 3836; Black-capped Chickadee, 36; Carolina Chickadee, 67; Tufted Titmouse, 141; White-breasted Nuthatch, 59; Red-breasted Nuthatch, 3; Brown Creeper, 10; Winter Wren, 5; Carolina Wren, 11; Mockingbird, 17; Catbird, 1; Am. Robin, 11; Eastern Bluebird, 78; Golden-crowned Kinglet, 79; Ruby-crowned Kinglet, 8 (found on 7 out of the last 10 counts); Cedar Waxwing, 3; Common Starling, 2224; Myrtle Warbler, 21; Palm Warbler, 4; House Sparrow, 578; Eastern Meadowlark, 121; Red-winged Blackbird, 113; Brown-headed Cowbird, 9; Cardinal, 143; Purple Finch, 4; Am. Goldfinch, 56; Eastern Towhee, 2; Vesper Sparrow, 2; Slate-colored Junco, 1042; Am. Tree Sparrow, 274; Field Sparrow, 28; White-throated Sparrow, 389; Fox Sparrow, 4; Swamp Sparrow, 5; Song Sparrow, 167. **Total,** 81 species; 10,834 individuals. (Seen in area Jan. 2: Barn Owl, 1.)—Margaret S. Goodwin, Violet L. Findlay, Mrs. Edgar Cope, Mrs. Abner Few, Mary L. Thomas, Mrs. Esther Smith, Dr. and Mrs. Robert B. Gordon, Viola Messmer, Shippen and Martha Willing, Dr. Mary J. Hoge, Pauline Ramstine, Mrs. Mary W. Savery, Helen G. Williams, Marian L. Cheyney, Arthur Hoopes, Helen E. Rhoads, Herbert A. Houston, Mrs. Laura W. Abbott, Mr. and Mrs. Charles Abbott, Edna Hess, Mr. and Mrs. Taylor Herron, Edna E. Mendenhall, Mrs. Alfred Hallowell, Joseph Cope, Dr. and Mrs. Edward Wallwork, Frances L. Groff, Mrs. Mildred Pendergrast, Mr. and Mrs. John S. Frankenfield, Mildred Whiteacre, Phyllis and Beryl

Hurlock, Stephen Simon, Donald White, Carl Siebecker, Frederick A. Colwell, Peter Colwell, Mr. and Mrs. Edward Siddal, Jr., Gilbert Siddall, Mrs. Donald W. Kitchen, Mr. and Mrs. Cyril K. Bryan, David A. Cutler, Phillips B. Street, Martha Bucknell, Mr. and Mrs. Loren G. Sadler, George A. Clark, Jr., Patrice A. Jackson, George E. DeCoursey, Jr., Albert E. Conway (compiler), June R. Conway (West Chester Bird Club).

147. **Wyncote, Pa.** (about the same area as in recent years).—Dec. 27; 7 a.m. to 5 p.m. Partly cloudy; temp. 30° to 42°; wind variable, WSW; ground bare. Twenty-one observers in 14 parties. Total party-hours, 84 (39 on foot, 45 by car); total party-miles, 70 (30 on foot, 40 by car). Sharp-shinned Hawk, 2; Cooper's Hawk, 5; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 20; Killdeer, 16; Herring Gull, 1; Mourning Dove, 30; Barn Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 1 (where since Nov.—Wrights); Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 59; Eastern Phoebe, 1; Blue Jay, 20; Am. Crow, 569+; Black-capped Chickadee, 8; Tufted Titmouse, 57; White-breasted Nuthatch, 29; Brown Creeper, 4; Winter Wren, 10; Carolina Wren, 1; Mockingbird, 1 (near where pair nested—F.M.); Catbird, 1; Am. Robin, 7; Hermit Thrush, 3; Eastern Bluebird, 15; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 4; Cedar Waxwing, 3; Common Starling, 585+; Myrtle Warbler, 11; House Sparrow, 172+; Red-winged Blackbird, 2; Purple Grackle, 1; Cardinal, 82; Purple Finch, 16; Am. Goldfinch, 73; Eastern Towhee, 6; Slate-colored Junco, 365; Am. Tree Sparrow, 155; Field Sparrow, 5; White-throated Sparrow, 469; Fox Sparrow, 2; Song Sparrow, 68. **Total,** 50 species; 2937+ individuals.—Mrs. Schofield Andrews, Mrs. Evelyn Custer, Karl DeLong, Mr. and Mrs. John Dornan, Robert Ellis, Mr. and Mrs. E. S. Griscom, Gaylord LeRoy, Thomas Lord, Fred Mears, Miss E. Nuss, Dr. G. F. Parrott, Miss J. Perley, Charles Ross, Mrs. T. F. Rossiter, Jay Schnell, Clyde Shaffer, Curtis Sooy, Mr. and Mrs. H. Wright (Wyncote Bird Club).

148. **York, Pa.** (approximately same area as in 9 previous years; 7½-mile radius, centered at Stony Brook; open farmland 50%, deciduous farm woodlots 10%, marshy meadow 5%, woodland and fields along river 30%, town suburbs 5%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 32° to 43°; wind W, 13-18 m.p.h.; ground bare; Susquehanna River partly frozen, other streams open. Sixteen observers in 10 parties. Total party-hours, 56 (39 on foot, 17 by car); total party-miles, 230 (36 on foot, 194 by car). Horned Grebe, 3; Pied-billed Grebe, 5; Canada Goose, 5; Mallard, 366; Black Duck, 1182; Am. Widgeon, 1; Pintail, 6; Canvas-back, 9; Am. Golden-eye, 80; Buffle-head, 3; Am. Merganser, 139; Turkey Vulture, 16; Sharp-shinned Hawk, 2; Bald Eagle, 2; Marsh Hawk, 4; Sparrow Hawk, 7; Ring-necked Pheasant, 28; Killdeer, 14; Wilson's Snipe, 3; Herring Gull, 43; Ring-billed Gull, 158; Mourning Dove, 40; Barn Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 30; Eastern Phoebe, 1; Horned Lark, 31; Blue Jay, 5; Am. Crow, 3498 (3000 est., 498); Fish Crow, 17; Black-capped Chickadee, 26; Carolina Chickadee, 9; Tufted Titmouse, 58; White-breasted Nuthatch, 24; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 11; Mockingbird, 10; Am. Robin, 2; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 1; Common Starling, 5099 (3000 est., 2099); Myrtle Warbler, 22; House Sparrow, 730; Eastern Meadowlark, 2; Purple Grackle, 6; Cardinal, 95; Purple Finch, 1; Pine Grosbeak, 4; Am. Goldfinch, 118; Slate-colored Junco, 158; Am. Tree Sparrow, 101; Field Sparrow, 10; White-throated Sparrow, 97; Song Sparrow, 28. **Total,** 57 species; about 12,361 individuals. (Seen in area Jan. 1: Fox Sparrow.)—Elizabeth Bilger, Luther Dehoff, Dorothy Dressler, Ted Hake, Esther M. Knipe, Elsie Myers, Dorothy M. Klingaman, Reda M. Myers, Mary Neiman, Anna C. Reinecker, Albert Spiese, Mrs. L. Williams, Sylvia Yeager, Mr. and Mrs. J. T. Yoder, Viola V. Dietz (York County Bird Club).

149. **Bombay Hook National Wildlife Refuge (Kent Co.), Del.** (area same as previous years, with increased emphasis on coverage of river-front areas; refuge area undergoing drastic change with virtual elimination of trees, brush and hedgerows and substantial increase of water area to attract geese).—Dec. 27; 4 a.m. to 5 p.m. Clear; temp. 32° to 46°; wind NW, 3-15 m.p.h.; refuge lake ¼ open; ground, surface water and fresh-water marshes frozen; brackish water almost totally open. Twenty-six observers in 8 parties. Total party-hours, 238 (189½ on foot, 29½ by car, 19 by boat and canoe); total party-miles, 702 (119 on foot, 506 by car, 77 by boat and canoe). Horned Grebe, 1; Pied-billed Grebe, 8; Great Blue Heron, 35; Black-crowned Night Heron, 3; Am. Bittern, 2; Canada Goose, 5978; **brant** (sp.?), 1 (a Black Brant if identifiable in the field); Snow Goose, 5; **Pink-footed Goose,** 1 (is possibly 2nd record for U.S.; stays with Canada Geese); Mallard, 2133; Black Duck, 8909; Gadwall, 14; Am. Widgeon, 8; Pintail, 612; Green-winged Teal, 30; Blue-winged Teal, 7; Shoveller, 2; Wood Duck, 3; Redhead, 3; Canvas-back, 25; **Greater Scaup,** 40,377; Lesser Scaup, 400; Am. Golden-eye, 21; Buffle-head, 17; Old-squaw, 1; White-winged Scoter, 9; Surf Scoter, 4; Am. Scoter, 4; Ruddy Duck, 17; Hooded Merganser, 64; Am. Merganser, 132; Red-breasted Merganser, 32; Turkey Vulture, 275; Black Vulture, 8; Sharp-shinned Hawk, 2; Cooper's Hawk, 7; Red-tailed Hawk, 35; Red-shouldered Hawk, 4; Rough-legged Hawk, 12; **Bald Eagle,** 19; **Marsh Hawk,** 119; Pigeon Hawk, 1; Sparrow Hawk, 70; Bob-white, 66; Ring-necked Pheasant, 2; Clapper Rail, 2; **Florida Gallinule,** 1; Am. Coot, 8; Killdeer, 92; Am. Woodcock, 1; Wilson's Snipe, 2; Lesser Yellow-legs, 2; Red-backed Sandpiper, 100; Great Black-backed Gull, 9; Herring Gull, 206; Ring-billed Gull, 233; Mourning Dove, 157; Barn Owl, 6; Horned Owl, 4; Barred Owl,

6; Short-eared Owl, 22; Belted Kingfisher, 14; Yellow-shafted Flicker, 39; Red-bellied Woodpecker, 27; Hairy Woodpecker, 11; Downy Woodpecker, 49; Eastern Phoebe, 2; Horned Lark, 206; Blue Jay, 42; Am. Crow, 6910; Fish Crow, 48; Black-capped Chickadee, 1; Carolina Chickadee, 102; Tufted Titmouse, 40; White-breasted Nuthatch, 2; Brown Creeper, 13; **House Wren,** 1; Winter Wren, 8; Carolina Wren, 51; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 4; Mockingbird, 35; Catbird, 6; Brown Thrasher, 1; Am. Robin, 54; Hermit Thrush, 1; Eastern Bluebird, 30; Golden-crowned Kinglet, 52; Ruby-crowned Kinglet, 5; Water Pipit, 254; Loggerhead Shrike, 6; Common Starling, 4950; Myrtle Warbler, 565; **Pine Warbler,** 2; Common Yellow-throat, 3; **Yellow-breasted Chat,** 1; House Sparrow, 80; Eastern Meadowlark, 794; Red-winged Blackbird, 16,250; Rusty Blackbird, 7; **Brewer's Blackbird,** 30; Purple Grackle, 575; Brown-headed Cowbird, 1023; Cardinal, 216; **Dickcissel,** 1; Am. Goldfinch, 114; Eastern Towhee, 4; Savannah Sparrow, 47; Vesper Sparrow, 2; Slate-colored Junco, 189; Am. Tree Sparrow, 380; Field Sparrow, 44; White-crowned Sparrow, 4; White-throated Sparrow, 493; Fox Sparrow, 4; Swamp Sparrow, 123; Song Sparrow, 246. **Total,** 117 species; 94,494 individuals. (Pink-footed Goose, brant, Brewer's Blackbird, Yellow-breasted Chat, and Dickcissel were seen since latter part of Oct. by many observers. Flocks of up to 180 Brewer's Blackbirds have been noted within 1-3 miles of Refuge headquarters. All other unusual birds observed by qualified members of D.V.O.C. and had been spotted for weeks prior to count.)—J. H. Arnett, T. Baldwin, D. A. Cutler, E. Cutler, H. Cutler (compiler), R. Darby, E. Cresson, W. Jay, H. Mathews, John Miller, R. F. Miller, J. R. Moore, S. Mulligan, C. Price, E. H. Rigby, E. J. Reimann, S. Orr, L. Shectman, R. Sehl, L. G. Sterner, G. Udell, H. Wackernagel, M. Weiss, C. Wonderly, W. Reynolds, Q. Kramer.

150. Middletown, Del. (same as 1951 plus Collins Beach area).—Dec. 29; 7:15 a.m. to 5 p.m. Overcast and hazy; temp. 31° to 40°; wind WSW to SW, 0-2 m.p.h.; ground bare; ponds and tidewater partly frozen. Eight observers in 3 parties. Total party-hours, 25 (21 on foot, 4 by car); total party-miles, 125 (13 on foot, 112 by car). Horned Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 10; Black-crowned Night Heron, 1; Canada Goose, 104; Mallard, 139 (120±25, 19); Black Duck, 1675 (1650±200, 25); Pintail, 76; Greater Scaup, 185 (±15); Old-squaw, 2; Am. Merganser, 42; Turkey Vulture, 28; Sharp-shinned Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 9; Sparrow Hawk, 8; Killdeer, 6; Red-backed Sandpiper, 2; Great Black-backed Gull, 6; Herring Gull, 34; Ring-billed Gull, 153; Mourning Dove, 5; Screech Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 5; Downy Woodpecker, 4; Horned Lark, 7; Blue Jay, 5; Am. Crow, 42; Carolina Chickadee, 22; Tufted Titmouse, 8; White-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 5; Am. Robin, 1; Golden-crowned Kinglet, 6; Common Starling, 399 (325±35, 74); Myrtle Warbler, 4; House Sparrow, 96; Eastern Meadowlark, 18; Red-winged Blackbird, 1084 (1000 ±200, 84); Purple Grackle, 15,200 (±1000); Brown-headed Cowbird, 42; Cardinal, 37; Am. Goldfinch, 13; Savannah Sparrow, 6; Slate-colored Junco, 71; Am. Tree Sparrow, 32; White-throated Sparrow, 34; Swamp Sparrow, 6; Song Sparrow, 22. **Total,** 57 species; about 19,694 individuals.—William Amos, Elizabeth Brady, Ethel Brady, Stuyvesant Pell, Walden Pell 2nd (compiler), Margaret Smithers, Norman Thornton, Davis Washburn.

151. Rehoboth, Del. (7½-mile radius centering 3 miles southwest of Rehoboth and including Indian River Inlet and Bay, Oak Orchard, Lewes area and Cape Henlopen, eastern edge being Atlantic Ocean 4 miles east of Rehoboth; tidal bays and estuaries 20%, deciduous woods 15%, fields 10%, coastal coniferous woods 10%, inlet and ocean 10%, Silver Lake 10%, thickets 10%, beach 5%, wooded swamp 5%, salt marshes 5%).—Jan. 2; 4:30 a.m. to 4:30 p.m. Clear; temp. 40° to 60°; wind SW, 1-5 m.p.h.; ground bare, all open water. Three observers in 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 70 (10 on foot, 60 by car). Red-throated Loon, 10; Horned Grebe, 300; Pied-billed Grebe, 15; Great Blue Heron, 3; Canada Goose, 500; Am. Brant, 800; Snow Goose, 1; Mallard, 50; Black Duck, 200; Am. Widgeon, 50; Pintail, 2; Green-winged Teal, 40; Shoveller, 45; Ring-necked Duck, 20; Canvas-back, 3000; Greater Scaup, 2; Am. Golden-eye, 8; Buffle-head, 10; Old-squaw, 25; White-winged Scoter, 40; Surf Scoter, 20; Am. Scoter, 6; Ruddy Duck, 200; Red-breasted Merganser, 4; Turkey Vulture, 30; Red-tailed Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1 (close range, positive); Sparrow Hawk, 20; Bob-white, 15; Am. Coot, 150; Killdeer, 60; Purple Sandpiper, 20; Great Black-backed Gull, 6; Herring Gull, 60; Ring-billed Gull, 150; Bonaparte's Gull, 150; Mourning Dove, 10; Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 8; Downy Woodpecker, 10; Eastern Phoebe, 1; Horned Lark, 5; Blue Jay, 2; Am. Crow, 100; Fish Crow, 2; Carolina Chickadee, 10; Tufted Titmouse, 8; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 15; Catbird, 1; Am. Robin, 50; Hermit Thrush, 3; Eastern Bluebird, 30; Golden-crowned Kinglet, 6; Water Pipit, 50; **Gray Shrike,** 1 (positive—W.Y.); Loggerhead Shrike, 4; Common Starling, 500; Orange-crowned Warbler, 1 (excellent view from 10 ft. with 7x50 glasses); Myrtle Warbler, 150; Pine Warbler, 3; Palm Warbler, 4; House Sparrow, 100; Eastern Meadowlark, 80; Red-winged Blackbird, 20; **oriole** (sp.?), 1 ♀; Purple Grackle, 20; Brown-headed Cowbird, 100; Cardinal, 10; Am. Goldfinch, 20; Eastern Towhee, 2; Seaside Sparrow, 1; Slate-colored Junco, 150; Am. Tree Sparrow, 30; Field Sparrow, 10; White-throated Sparrow, 200; Fox Sparrow, 1; Swamp Sparrow, 25; Song Sparrow, 60. **Total,** 85

species; about 7841 individuals.—William Yoder, Paul Weirick, Henry Matthews (Delaware Valley Ornithological Club).

152. Accokeek, Md. (east side of Potomac River from Bryan's Point east along south side of Piscataway Creek to Indian Head Highway; area of about 3 square miles comprising river and bay front, cultivated river flat, wooded creek bottom, wooded swamp, cattail marsh, and border of adjacent wooded upland; includes an addition of 1 square mile to east of area covered in preceding 21 years).—Jan. 2; 7:45 a.m. to 5 p.m. Clear; temp. 32° to 60°; wind SE after 10 a.m., up to 25 m.p.h.; ground bare; no ice except in swamps and marshes in early morning. Four observers in 3 and 4 parties. Total party-hours, 25; total party-miles, 28 (on foot). Horned Grebe, 2; Great Blue Heron, 1; Mallard, 15; Black Duck, 18; Am. Golden-eye, 4; Buffle-head, 1; Hooded Merganser, 1; Am. Merganser, 45; Turkey Vulture, 12; Black Vulture, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; Am. Coot, 1; Killdeer, 45; Wilson's Snipe, 15; Herring Gull, 200; Ring-billed Gull, 85; Mourning Dove, 100; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 25; Pileated Woodpecker, 4; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 20; Blue Jay, 60; Am. Crow, 45; Fish Crow, 5; Carolina Chickadee, 50; Tufted Titmouse, 35; White-breasted Nuthatch, 5; Brown Creeper, 6; Winter Wren, 4; Carolina Wren, 45; Mockingbird, 15; Am. Robin, 25; Eastern Bluebird, 22; Golden-crowned Kinglet, 10; Common Starling, 12; Myrtle Warbler, 30; House Sparrow, 15; Eastern Meadowlark, 100; Red-winged Blackbird, 300; Rusty Blackbird, 2; Cardinal, 50; Am. Goldfinch, 135; Savannah Sparrow, 2; Slate-colored Junco, 275; Am. Tree Sparrow, 25; Field Sparrow, 75; White-throated Sparrow, 160; Fox Sparrow, 3; Swamp Sparrow, 40; Song Sparrow, 125. **Total,** 60 species; about 2321 individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

153. Catoctin Mountain, Md. (7½-mile radius centered 1.3 miles west of Thurmont; described in 1949).—Jan. 2; 4:40 a.m. to 5 p.m. Clear; temp. 25° to 45°; wind W, 0-20 m.p.h.; ground bare; streams open, ponds partly frozen. Nineteen observers in 7 parties. Total party-hours, 62 (38 on foot, 24 by car); total party-miles, 229 (48 on foot, 181 by car). Great Blue Heron, 2; Mallard, 3; Green-winged Teal, 7; Wood Duck, 2; Hooded Merganser, 4; Am. Merganser, 2; Turkey Vulture, 143; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 13; Ruffed Grouse, 8; Bob-white, 14; Killdeer, 16; **Am. Woodcock,** 1; Mourning Dove, 76; Screech Owl, 1; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 24; Hairy Woodpecker, 29; Downy Woodpecker, 86; Eastern Phoebe, 1; Horned Lark, 240; Blue Jay, 21; Am. Crow, 2908; Fish Crow, 1; Black-capped Chickadee, 10; Carolina Chickadee, 275; Tufted Titmouse, 112; White-breasted Nuthatch, 48; Brown Creeper, 21; Winter Wren, 18; Carolina Wren, 55; Mockingbird, 21; Am. Robin, 1; Eastern Bluebird, 57; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Common Starling, 1820; Myrtle Warbler, 1; House Sparrow, 698; Eastern Meadowlark, 15; Red-winged Blackbird, 5; Brown-headed Cowbird, 1; Cardinal, 226; Purple Finch, 8; Am. Goldfinch, 67; Savannah Sparrow, 2; Slate-colored Junco, 765; Am. Tree Sparrow, 293; Field Sparrow, 175; White-crowned Sparrow, 14; White-throated Sparrow, 55; Swamp Sparrow, 1; Song Sparrow, 70. **Total,** 61 species; 8528 individuals. (Seen in area Dec. 31: Red-headed Woodpecker, 1.)—Karl F. Atwater, Richard D. Cole, Orville W. Crowder, Alison Herriott, Dr. Roger Herriott, Duvall Jones, Seth H. Low, William S. McHoul, Paul J. O'Brien, Sarah Quinn, Dr. (compiler) and Mrs. John W. Richards, Sue Royal, William C. Royal, Dr. and Mrs. Herbert G. Tanner, Edwin Willis, Mr. and Mrs. Elmer Worthley.

154. Chase, Md. (same area as previous years but as in 1952 estuarine habitats poorly covered due to closure of military reservations).—Jan. 3; 6:15 a.m. to 5:15 p.m. Cloudy with 3 hrs. of rain; temp. 38° to 50°; wind E, 6-8 m.p.h.; ground bare; no ice on creeks. Ten observers in 4 parties. Total party-hours, 29 (25 on foot, 4 by car); total party-miles, 106 (20 on foot, 86 by car). Horned Grebe, 1; Pied-billed Grebe, 11; Great Blue Heron, 3; Green Heron, 2 (W.M., no details); Black-crowned Night Heron, 1; Whistling Swan, 276; Mallard, 2; Am. Widgeon, 876; Canvas-back, 389; Greater Scaup, 1; Lesser (?) Scaup, 81; Am. Golden-eye, 4; Old-squaw, 3; Ruddy Duck, 15+(500?); Hooded Merganser, 6; Turkey Vulture, 15; Red-shouldered Hawk (?), 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 1; Am. Coot, 2114; Killdeer, 27; Herring Gull, 63; Ring-billed Gull, 140; Mourning Dove, 5; Barn Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 10; Hairy Woodpecker, 7; Downy Woodpecker, 24; Horned Lark, 25; Blue Jay, 27; Am. Crow, 68; Fish Crow, 14; Carolina Chickadee, 41; Tufted Titmouse, 39; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 3; Brown Creeper, 5; **House Wren,** 1 (E.W.); Winter Wren, 9; Carolina Wren, 44; Mockingbird, 21; Am. Robin, 184; Hermit Thrush, 9; Eastern Bluebird, 2; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 2; Cedar Waxwing, 48; Common Starling, 281; Myrtle Warbler, 21; Palm Warbler, 6; Common Yellow-throat, 1; House Sparrow, 387; Red-winged Blackbird, 351; Rusty Blackbird, 130; Brown-headed Cowbird, 10; Cardinal, 55; Purple Finch, 1; Am. Goldfinch, 216; Eastern Towhee, 4; Slate-colored Junco, 303; Am. Tree Sparrow, 56; Field Sparrow, 22; White-throated Sparrow, 359; Fox Sparrow, 3; Swamp Sparrow, 65; Song Sparrow, 100. **Total,** 69 species; about 7548 individuals.—Karl Atwater, A. A. Brandenburg, Orville Crowder, Nelson Edwards, Duvall Jones, Haven Kolb (compiler), William McHoul,

Herbert P. Strack, Lola G. Strack, Edwin Willis (Maryland Ornithological Society).

155. Denton (Caroline Co.), Md. (same area and habitat percentages as past 3 years).—Dec. 26; 6 a.m. to 5:30 p.m. Clear in a.m., partly cloudy in p.m.; temp. 20° to 50°; wind SW to W, 0-20 m.p.h.; ground frozen in a.m., thawing before noon; ponds partly frozen, rivers frozen on margins. Twenty-three observers in 10 parties. Total party-hours, 55 (39½ on foot, 15½ by car); total party-miles, 310 (37 on foot, 273 by car). Horned Grebe, 1; Pied-billed Grebe, 16; Great Blue Heron, 9; Am. Egret, 1; Canada Goose, 14; Mallard, 70; Black Duck, 126; Wood Duck, 1; Ring-necked Duck, 9; Lesser Scaup, 2; Am. Merganser, 25; Turkey Vulture, 704; Black Vulture, 16; Sharp-shinned Hawk, 1; Red-tailed Hawk, 23; Red-shouldered Hawk, 8; Bald Eagle, 1; Marsh Hawk, 17; Sparrow Hawk, 57; Bob-white, 76; Killdeer, 83; Herring Gull, 10; Ring-billed Gull, 68; Mourning Dove, 370; Horned Owl, 3; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 22; Hairy Woodpecker, 9; Downy Woodpecker, 41; Eastern Phoebe, 7; Horned Lark, 127; Blue Jay, 26; Am. Crow, 180; Carolina Chickadee, 97; Tufted Titmouse, 30; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 10; Carolina Wren, 56; Mockingbird, 61; Catbird, 1; Am. Robin, 9; Hermit Thrush, 14; Eastern Bluebird, 96; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 1; Water Pipit, 49; Cedar Waxwing, 5; Loggerhead Shrike, 8; Common Starling, 1447; Myrtle Warbler, 13; Pine Warbler, 1; Palm Warbler, 19 (5 Yellow, 14 Western); House Sparrow, 607; Eastern Meadowlark, 671; Red-winged Blackbird, 1303; Rusty Blackbird, 31; Purple Grackle, 77; Brown-headed Cowbird, 43; Cardinal, 310; Purple Finch, 2; Am. Goldfinch, 225; Eastern Towhee, 5; Savannah Sparrow, 3; Slate-colored Junco, 934; Field Sparrow, 272; White-crowned Sparrow, 18; White-throated Sparrow, 704; Fox Sparrow, 6; Swamp Sparrow, 11; Song Sparrow, 149. **Total,** 74 species (1 additional subspecies); 9503 individuals. (Screech Owl found dead in road on day of count. Other birds seen during period: Barn Owl, Fish Crow, and Blue-gray Gnatcatcher [no details—Ed.].)—James Bates, Robert Bates, Annabelle Bilbrough, Elsie Bilbrough, Irene Bilbrough, Margarete Butenschoen, Mary C. Crone, A. J. Fletcher (compiler), Roberta B. Fletcher, Marvin W. Hewitt, Naomi Hewitt, Catherine Hoff, Richard W. Kleen, Tommy Low, Seth Low, Ethel Poore, John W. Richards, Chandler S. Robbins, Jacquelin Smith, Jay Smith, Salome Somers, Allen R. Stickley, Jr., A. May Thompson.

156. Gibson Island, Md. (island of approximately 1000 acres at juncture of Magothy River and Chesapeake Bay; shore line 8 miles [2 miles on Bay]; pond area 6 acres, 600 acres deciduous trees; 200 acres scrub pine, 200 acres residential, 5 acres marsh).—Jan. 3; 7 a.m. to 5 p.m. Cloudy with some showers; temp. 45° to 42°; wind NW, 0-15 m.p.h. Ten observers in 4 parties. Total party-hours, 18 (17 on foot, 1 by car); total party-miles, 10 (8 on foot, 2 by car). Red-throated Loon, 1; Horned Grebe, 28; Pied-billed Grebe, 1; Great Blue Heron, 11; Whistling Swan, 1505; Canada Goose, 2; Mallard, 12; Black Duck, 27; European Widgeon, 1 (Mrs. W.L.H., J.M., Jr., Col. and Mrs. U.A.); Am. Widgeon, 680; Redhead, 125; Ring-necked Duck, 30; Canvas-back, 1800; scaup (sp.), 100; Am. Golden-eye, 83; Buffle-head, 25; Old-squaw, 35; Ruddy Duck, 2500; Hooded Merganser, 1; Am. Merganser, 2; Turkey Vulture, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 2; Bob-white, 40; Clapper Rail, 1 (Mrs. G.T., C.B., Mrs. M.N.); Killdeer, 25; Great Black-backed Gull, 5; Herring Gull, 25; Ring-billed Gull, 25; Mourning Dove, 1; Screech Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 1; Am. Crow, 41; Black-capped Chickadee, 2 (C.B., Mrs. G.T.); Carolina Chickadee, 51; Tufted Titmouse, 19; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Brown Creeper, 10; Winter Wren, 3; Carolina Wren, 30; Mockingbird, 9; Am. Robin, 636 (all 10 observers); Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 36; Common Starling, 26; Myrtle Warbler, 9; Common Yellow-throat, 1 (Mr. and Mrs. D.S., W.L.H.); House Sparrow, 15; Purple Grackle, 1; Cardinal, 45; Am. Goldfinch, 27; Slate-colored Junco, 97; Chipping Sparrow, 2 (C.B.); Field Sparrow, 11; White-throated Sparrow, 71; Fox Sparrow, 1; Swamp Sparrow, 7; Song Sparrow, 35. **Total,** 67 species; 8301 individuals. (Seen in area Dec. 30: Ruby-crowned Kinglet, 2—Mrs. G.T.; Jan. 1 and 2: **Olive-backed Thrush,** 1 [seen frequently since Jan. 1, still present in same hollow on Jan. 29; no red on back or tail, eye-ring plainly visible—Mrs. G.T., Mr. and Mrs. D.S.].)—Col. and Mrs. U. Amoss, Charles Buchanan, Judge and Mrs. (compiler) W. L. Henderson, John Mason, Jr., Mrs. M. North, Mr. and Mrs. Dolf Swing, Mrs. Gail Tappan.

157. Loch Raven (Baltimore Co.), Md. (from Towson around the lake through Dulaney Valley to Loch Raven Station and back to Towson; seral stages 30 to 40 years after cultivation 50%, deciduous forest 30%, coniferous plantations 10%, cultivated land 10%).—Dec. 31; 6:15 a.m. to 5:15 p.m. Mostly cloudy to clear; temp. 31° to 36°; wind NW, 0-30 m.p.h.; ground bare; very little ice on lake. One observer. Total hours, 11 (10 on foot, 1 by car); total miles, 29 (11 on foot, 18 by car). Horned Grebe, 1; Mallard, 8; Black Duck, 11; Buffle-head, 4; Am. Merganser, 1; Turkey Vulture, 3; Bald Eagle, 1; Bob-white, 1; Killdeer, 1; Mourning Dove, 29; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 7; Am. Crow, 191; Carolina Chickadee, 6; Tufted Titmouse, 2; Brown Creeper, 4; Carolina Wren, 3; Am. Robin, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Cedar Waxwing, 60; Common Starling, 25; Myrtle Warbler, 3; Cardinal, 7; Am. Goldfinch, 21; Slate-colored Junco, 34; Am. Tree Sparrow, 14; White-throated Sparrow, 55; Swamp Sparrow, 1;

Song Sparrow, 2. **Total,** 32 species; 516 individuals. —Haven Kolb.

158. McCoole (Allegany Co.), Md. (center of town to 1 mile east, center of town north along U.S. 220 to Dawson, top of Dans Mountain 3 miles east of Lonaconing; town suburbs 15%, open farmland 25%, deciduous woods 25%, coniferous plantings 10%, pasture 25%).—Jan. 1; 7:30 a.m. to 8 p.m. Clear; temp. 40° to 50°; wind SSW to W, 10-30 m.p.h.; high wind made censusing difficult. One observer. Total hours, 12½ (9 on foot, 3½ by car); total miles, 19 (8 on foot, 11 by car). Sparrow Hawk, 1; Ruffed Grouse, 1; Screech Owl, 2; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 6; Am. Crow, 3; Black-capped Chickadee, 3; Tufted Titmouse, 11; White-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 2; Eastern Bluebird, 1; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 236; Myrtle Warbler, 3; House Sparrow, 138; Cardinal, 16; Slate-colored Junco, 48; Am. Tree Sparrow, 32; White-crowned Sparrow, 8; White-throated Sparrow, 4; Song Sparrow, 2. **Total,** 25 species; 532 individuals.—Leonard M. Llewellyn.

159. Ocean City, Md. (same area as in past 5 years; same habitat percentages as in 1949).—Dec. 27; 5:30 a.m. to 6:30 p.m. Clear to partly cloudy; temp. 28° to 45°; wind W to SE, 3-8 m.p.h.; ground bare; small ponds and margins of large ones frozen. Twenty-eight observers in 10 parties. Total party-hours, 184 (153 on foot, 23 by car, 8 by boat); total party-miles, 668 (196 on foot, 403 by car, 69 by boat). Common Loon, 10; **Red-throated Loon,** 292; Red-necked Grebe, 2 (recorded in 4 prior years —R.D.C. and party); **Horned Grebe,** 316; Pied-billed Grebe, 39; Gannet, 1; Double-crested Cormorant, 5; Great Blue Heron, 55; **Am. Egret,** 1 (1st count record, but seen in previous winters—S.H.L. and party); **Green Heron,** 1 (3rd winter record for Maryland; well seen and fully described—C.L.C., E.G.B.); Black-crowned Night Heron, 3; **Am. Bittern,** 6; Canada Goose, 6700 (including 1 Hutchins's—S.H.L.); **Am. Brant,** 8390; Snow Goose, 17; Mallard, 1110; Black Duck, 2055; Am. Widgeon, 2; Pintail, 126; Green-winged Teal, 75; Shoveller, 1; Wood Duck, 1; Redhead, 11; Ring-necked Duck, 40; Canvas-back, 2500; Greater Scaup, 184; Am. Golden-eye, 108; **Buffle-head,** 510; **Old-squaw,** 2395; White-winged Scoter, 764; **Surf Scoter,** 4905; Am. Scoter, 242; Ruddy Duck, 29; Hooded Merganser, 1; Red-breasted Merganser, 319; **Turkey Vulture,** 1010; Black Vulture, 4; **Sharp-shinned Hawk,** 17; Cooper's Hawk, 2; Red-tailed Hawk, 26; Red-shouldered Hawk, 10; Bald Eagle, 6; Marsh Hawk, 22; Peregrine Falcon, 1; Sparrow Hawk, 52; Bob-white, 82; King Rail, 2; **Clapper Rail,** 27; Am. Coot, 215; **Piping Plover,** 3 (1st count record, but seen the 2 previous years just after count date—A.R.S., S.F.); **Killdeer,** 539; Black-bellied Plover, 73; Am. Woodcock, 5; Greater Yellow-legs, 4; Lesser Yellow-legs, 1; Least Sandpiper, 2 (A.R.S., S.F.); Purple Sandpiper, 50; Red-backed Sandpiper, 702; Semipalmated Sandpiper, 1 (recorded in 2 prior years—A.R.S., S.F.); Western Sandpiper, 1 (recorded in 2 prior years—A.R.S., S.F.); Sanderling, 141; Great Black-backed Gull, 19; Herring Gull, 1970; Ring-billed Gull, 208; Bonaparte's Gull, 332; Mourning Dove, 290; Barn Owl, 2; Screech Owl, 5; **Horned Owl,** 13; **Barred Owl,** 12; Short-eared Owl, 1; Belted Kingfisher, 15; **Yellow-shafted Flicker,** 205; Pileated Woodpecker, 9; Red-bellied Woodpecker, 61; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 34; Downy Woodpecker, 74; Eastern Phoebe, 32; Horned Lark (only Prairie identified), 122; Blue Jay, 17; Am. Crow, 587; Fish Crow, 3; Carolina Chickadee, 306; Tufted Titmouse, 147; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; **Brown-headed Nuthatch,** 127 (phenomenal count, reflecting increase in this area); Brown Creeper, 46; House Wren, 3 (4th year for this species—S.H.L., J.T.); **Winter Wren,** 65; **Bewick's Wren,** 1 (well seen by observer familiar with the species; 1st winter record for Maryland—J.E.K.); **Carolina Wren,** 220; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 14; Mockingbird, 54; Catbird, 12; Brown Thrasher, 49; Am. Robin, 1301; **Hermit Thrush,** 111; Eastern Bluebird, 157; Golden-crowned Kinglet, 137; Ruby-crowned Kinglet, 29; Water Pipit, 176; Cedar Waxwing, 52; Loggerhead Shrike, 15; Common Starling, 877; Orange-crowned Warbler, 2 (1 previous count record—A.J.F., M.H., R.R.K.); **Myrtle Warbler,** 3850; Pine Warbler, 1; Palm Warbler (Yellow), 9; Common Yellow-throat, 1; **Yellow-breasted Chat,** 2 (2nd winter record—A.J.F., M.H., E.G.B.); House Sparrow, 476; **Eastern Meadowlark,** 2145; Red-winged Blackbird, 5910; Rusty Blackbird, 9; Boat-tailed Grackle, 87; Purple Grackle, 245; Brown-headed Cowbird, 4600; **Scarlet Tanager,** 1 (1st winter record for Maryland; carefully studied at distance of 10 ft. in honeysuckle tangle, tanager bill and deep yellow-green body color noted—C.L.C., E.G.B.); Cardinal, 467; Purple Finch, 8; **Am. Goldfinch,** 567; Eastern Towhee, 175; Ipswich Sparrow, 1; Savannah Sparrow, 227; Sharp-tailed Sparrow, 11; Vesper Sparrow, 14; Slate-colored Junco, 958; Am. Tree Sparrow, 14 (lowest number ever recorded on count); Chipping Sparrow, 15; **Field Sparrow,** 455; **White-throated Sparrow,** 4328 (extraordinary count); Fox Sparrow, 25; **Swamp Sparrow,** 759; **Song Sparrow,** 1287; Snow Bunting, 1. **Total,** 138 species (1 additional subspecies); 68,790 individuals. (Male European Teal seen in area on same day, but not by our participants.)—Ernest G. Baldwin, J. M. Bates, R. B. Bates, Charles M. Buchanan, Charles L. Clagett, Richard D. Cole, Mary C. Crone, Richard P. Dubois, Paul G. DuMont, Philip A. DuMont, Shalom Fisher, A. J. Fletcher, Roberta Fletcher, Ed Hall, Marvin Hewitt, Naomi Hewitt, R. R. Kerr, Richard Kleen, James E. Knudson, Seth H. Low, Seth T. Low, Lewis Oring, John W. Richards, Chandler S. Robbins (compiler), Allen R. Stickley, Jr., John Terborgh, Edwin Willis, J. Kenneth Wright.

160. Southern Dorchester County, Md. (Blackwater National Wildlife Refuge to Elliott Island;

same area and habitats as in past 6 years).—Dec. 28; 6:30 a.m. to 5:45 p.m. Heavy overcast, rain 2 hours in a.m.; temp. 35° to 46°; wind SW, 15-25 m.p.h.; water open; no snow. Eighteen observers in 6 parties. Total party-hours, 83 (58 on foot, 23 by car, 2 by airplane); total party-miles, 283 (73 on foot, 180 by car, 30 by airplane). Horned Grebe, 124; Pied-billed Grebe, 20; Great Blue Heron, 32; Black-crowned Night Heron, 4; **Am. Bittern,** 7; Whistling Swan, 43; Canada Goose, 12,000 (±1000); Snow Goose, 6; **Blue Goose,** 6; Mallard, 1200 (±200); Black Duck, 2000 (±200); Gadwall, 75; Am. Widgeon, 15; Pintail, 1000; Green-winged Teal, 125; Blue-winged Teal, 39; Shoveller, 28; Wood Duck, 2; Redhead, 8; Ring-necked Duck, 55; Canvas-back, 3000 (±500); scaup (sp.), 1600 (±200); Am. Golden-eye, 1200; Buffle-head, 23; Old-squaw, 75; White-winged Scoter, 7; Surf Scoter, 20; Am. Scoter, 3; Ruddy Duck, 250; Hooded Merganser, 59; Am. Merganser, 131; Red-breasted Merganser, 1; Turkey Vulture, 96; Sharp-shinned Hawk, 4; Cooper's Hawk, 6; Red-tailed Hawk, 15; Red-shouldered Hawk, 9; Rough-legged Hawk, 4; Bald Eagle, 22; Marsh Hawk, 71; Sparrow Hawk, 10; Bob-white, 74; **King Rail,** 23; Clapper Rail, 1; **Virginia Rail,** 50; **Sora,** 1; Am. Coot, 2; Killdeer, 59; **Black-bellied Plover,** 1; Wilson's Snipe, 12; Greater Yellow-legs, 26; **Lesser Yellow-legs,** 6; Red-backed Sandpiper, 50; Great Black-backed Gull, 1; Herring Gull, 64; Ring-billed Gull, 204; Mourning Dove, 54; **Horned Owl,** 19; Barred Owl, 3; Short-eared Owl, 4; Belted Kingfisher, 17; Yellow-shafted Flicker, 80; Pileated Woodpecker, 3; Red-bellied Woodpecker, 17; Hairy Woodpecker, 6; Downy Woodpecker, 54; Eastern Phoebe, 2; Blue Jay, 72; Am. Crow, 11,870; Carolina Chickadee, 185; Tufted Titmouse, 57; White-breasted Nuthatch, 4; **Brown-headed Nuthatch,** 214; Brown Creeper, 22; Winter Wren, 27; **Carolina Wren,** 127; **Long-billed Marsh Wren,** 127; **Short-billed Marsh Wren,** 50; Mockingbird, 26; Catbird, 12; Brown Thrasher, 15; Am. Robin, 234; **Hermit Thrush,** 64; Eastern Bluebird, 68; Golden-crowned Kinglet, 105; Ruby-crowned Kinglet, 8; Water Pipit, 98; Cedar Waxwing, 9; Loggerhead Shrike, 4; Common Starling, 421; **Myrtle Warbler,** 6500; Palm Warbler, 1; Common Yellow-throat, 2; House Sparrow, 300; Eastern Meadowlark, 453; Red-winged Blackbird, 8750; Purple Grackle, 237; Brown-headed Cowbird, 2095; Cardinal, 144; Purple Finch, 5; Am. Goldfinch, 304; Eastern Towhee, 81; Savannah Sparrow, 53; Sharp-tailed Sparrow, 2; Vesper Sparrow, 2; Slate-colored Junco, 204; Am. Tree Sparrow, 11; Chipping Sparrow, 3; Field Sparrow, 130; **White-throated Sparrow,** 1550; Fox Sparrow, 5; **Swamp Sparrow,** 1271; **Song Sparrow,** 771. **Total,** 113 species; 60,921 individuals.—James M. Bates, Robert B. Bates, Charles L. Clagett, Richard D. Cole, Richard P. Dubois, Paul G. DuMont, Philip A. DuMont, Shalom Fisher, Edward Hall, Renick Kerr, James E. Knudson, Seth H. Low (compiler), Seth T. Low, Lewis Oring, John Richards, John Terborgh, Edwin Willis, J. Kenneth Wright.

161. St. Michaels, Md. (7½-mile radius centering on Grace's Creek, including Bay Hundred and St. Michaels Districts, Miles River Neck, Kirkham, Oxford Neck, sections of Chesapeake and Eastern Bays, Miles and Choptank Rivers; bays and tidal inlets 25%, tidal shoreline 10%, pine woods 10%, deciduous woods 2%, mixed woods 25%, plowed fields 15%, open fields 3%, suburbs 5%, marsh 5%).—Dec. 29; 6:30 a.m. to 4:30 p.m. Overcast; temp. 34° to 48°; wind calm; ground bare; all water open. Fourteen observers in 7 parties. Total party-hours, 48 (27 on foot, 9 by car, 12 by motorboat); total party-miles, 243 (31 on foot, 130 by car, 82 by boat). Common Loon, 5; **Horned Grebe,** 1737; Pied-billed Grebe, 7; Great Blue Heron, 17; Black-crowned Night Heron, 1; **Whistling Swan,** 10,654; Canada Goose, 12,731; Am. Brant, 2130 (2000±200, 130); Mallard, 6; Black Duck, 1754 (1000±100, 754); Gadwall, 2; Am. Widgeon, 19,281 (18,000±1800, 1281); Green-winged Teal, 75; Redhead, 3; Canvas-back, 284; scaup (sp.), 487; Am. Golden-eye, 1947; Buffle-head, 58; **Old-squaw,** 7032; White-winged Scoter, 1507; Surf Scoter, 126; Am. Scoter, 28; Ruddy Duck, 834; Am. Merganser, 5; Red-breasted Merganser, 77; Turkey Vulture, 64; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Bald Eagle, 3; Marsh Hawk, 11; Sparrow Hawk, 13; Bob-white, 17; Am. Coot, 1601 (1600±160, 1); Killdeer, 26; Great Black-backed Gull, 24; Herring Gull, 443; Ring-billed Gull, 934; Laughing Gull, 6; Bonaparte's Gull, 14; Mourning Dove, 13; Barn Owl, 1; Screech Owl, 1; Horned Owl, 5; Belted Kingfisher, 13; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 52; Blue Jay, 26; Am. Crow, 6542 (5000±500, 1542); Fish Crow, 38; Carolina Chickadee, 92; Tufted Titmouse, 52; White-breasted Nuthatch, 9; **Brown-headed Nuthatch,** 125; Brown Creeper, 20; Carolina Wren, 45; Long-billed Marsh Wren, 3; Mockingbird, 80; Catbird, 2; Am. Robin, 15; Hermit Thrush, 3; Eastern Bluebird, 70; Golden-crowned Kinglet, 64; Ruby-crowned Kinglet, 2; Water Pipit, 1; Cedar Waxwing, 19; Loggerhead Shrike, 2; Common Starling, 317; Myrtle Warbler, 121; Pine Warbler, 4; House Sparrow, 334; Eastern Meadowlark, 364; Red-winged Blackbird, 1455 (1200±120, 255); Rusty Blackbird, 3; Brown-headed Cowbird, 1005 (1000±100, 5); Cardinal, 187; Purple Finch, 9; Pine Siskin, 3; Am. Goldfinch, 366; Eastern Towhee, 5; Savannah Sparrow, 22; Slate-colored Junco, 288; Field Sparrow, 125; White-throated Sparrow, 807; Fox Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, 130. **Total,** 90 species; about 76,834 individuals. (Seen in area Jan. 2: Winter Wren, 3; King Rail, 1; Red-throated Loon, 1. Found dead in area Jan. 1: Saw-whet Owl, 1; Clapper Rail, 1.)—David Caplan, Francis Dulin, A. J. Fletcher, Roberta B. Fletcher, Mr. and Mrs. Edmund Henderson, Richard L. Kleen (compiler), Richard W. Lord, Thomas Lord, Mr. and Mrs. Howard McCulloch, Jan Reese, Billy Sewell, Joe Spurry.

162. Triadelphia Reservoir (Montgomery and Howard Counties), Md. (same area and habitat percentages as in previous 5 years, new reservoir cleared of trees and brush but not flooded).—Jan. 1; 6 a.m. to 5 p.m. Clear; temp. 28° to 50°; wind NW, 20-25 m.p.h.; no snow (heavy fall in early Nov.); reservoir mostly open, small ponds frozen. Twenty-one observers in 8 parties. Total party-hours, 45 (21 on foot, 24 by car); total party-miles, 195 (30 on foot, 165 by car). **Horned Grebe,** 6; Pied-billed Grebe, 3; Great Blue Heron, 2; Canada Goose, 1; Mallard, 2500 (±250); Black Duck, 2000 (±200); Am. Widgeon, 2; Pintail, 1; Green-winged Teal, 6; Ring-necked Duck, 31; scaup (sp.?), 4; Buffle-head, 3; Ruddy Duck, 2; Hooded Merganser, 1; Am. Merganser, 60; **Red-breasted Merganser,** 1 (S.H.L.); Turkey Vulture, 296; Black Vulture, 13; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 39; Bob-white, 31; Am. Coot, 1; Killdeer, 13; Mourning Dove, 9; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 22; Eastern Phoebe, 3; Horned Lark, 1; Blue Jay, 46; Am. Crow, 784; Carolina Chickadee, 102; Tufted Titmouse, 47; White-breasted Nuthatch, 20; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 13; Mockingbird, 51; Hermit Thrush, 1; Eastern Bluebird, 54; Golden-crowned Kinglet, 65; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 6; Common Starling, 3075; Myrtle Warbler, 22; House Sparrow, 793; Eastern Meadowlark, 207; Brown-headed Cowbird, 450; Cardinal, 113; Purple Finch, 1; Am. Goldfinch, 427; Savannah Sparrow, 1; Slate-colored Junco, 913; Am. Tree Sparrow, 160; **Field Sparrow,** 302; White-crowned Sparrow, 8; White-throated Sparrow, 102; Swamp Sparrow, 33; Song Sparrow, 113. **Total,** 65 species; about 13,010 individuals.—C. E. Addy, John M. Addy, William D. Addy, Richard D. Cole, Mary C. Crone, James V. Derby, Jr., John H. Fales, David H. Fales, Katherine Keeley, John T. Linehan, Margaret L. Low, Seth H. Low (compiler), Seth T. Low, William E. Lowe, John Richards, Eleanor C. Robbins, Hilda E. Smith, R. E. Stewart, R. E. Stewart, Jr., John Thomen, Jane Tuttrup.

163. Wicomico (Charles Co.), Md. (area same as in previous years).—Jan. 1; 6:45 a.m. to 5:45 p.m. Temp. 32° to 42°; wind 8-20 m.p.h.; ground bare; water clear of ice, except in small creeks. Nine observers in 4 parties. Total party-hours, 41 (35 on foot, 6 by car); total party-miles, 222 (175 on foot, 47 by car). Horned Grebe, 32; Pied-billed Grebe, 7; Great Blue Heron, 23; Black-crowned Night Heron, 1; Whistling Swan, 76; Canada Goose, 362; Mallard, 22; Black Duck, 13; Gadwall, 232; Am. Widgeon, 125; Pintail, 1; Redhead, 186; Canvas-back, 4605; Lesser Scaup, 32; Am. Golden-eye, 15; Buffle-head, 27; White-winged Scoter, 7; Ruddy Duck, 950; Hooded Merganser, 5; Am. Merganser, 9; Red-breasted Merganser, 2; Turkey Vulture, 249; Black Vulture, 33; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 10; Bald Eagle, 12; Marsh Hawk, 21; Sparrow Hawk, 8; Bob-white, 66; King Rail, 2; **Virginia Rail,** 16; Am. Coot, 1325; Killdeer, 71; Wilson's Snipe, 61; Herring Gull, 79; Ring-billed Gull, 126; Mourning Dove, 215; Barn Owl, 2; Barred Owl, 5; **Short-eared Owl,** 1; Belted Kingfisher, 19; Yellow-shafted Flicker, 79; Pileated Woodpecker, 1; Red-bellied Woodpecker, 37; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 55; Eastern Phoebe, 3; Horned Lark, 2; Blue Jay, 87; Am. Crow, 224; Fish Crow, 5; Carolina Chickadee, 165; Tufted Titmouse, 71; White-breasted Nuthatch, 1; Brown Creeper, 13; Winter Wren, 26; Carolina Wren, 98; Long-billed Marsh Wren, 12; **Short-billed Marsh Wren,** 5 (L.G.); Mockingbird, 48; Catbird, 30; Brown Thrasher, 42; Am. Robin, 158; **Hermit Thrush,** 72; Eastern Bluebird, 67; Golden-crowned Kinglet, 92; Ruby-crowned Kinglet, 22; Water Pipit, 33; Cedar Waxwing, 69; Loggerhead Shrike, 13; Common Starling, 216; **Myrtle Warbler,** 1138; House Sparrow, 81; Eastern Meadowlark, 365; Red-winged Blackbird, 1311; Rusty Blackbird, 2; Purple Grackle, 15; Brown-headed Cowbird, 161; Cardinal, 158; **Purple Finch,** 126; Am. Goldfinch, 251; Eastern Towhee, 112; Savannah Sparrow, 19; Slate-colored Junco, 335; Am. Tree Sparrow, 98; **Chipping Sparrow,** 3 (L.G.); Field Sparrow, 139; White-throated Sparrow, 904; Fox Sparrow, 1; **Swamp Sparrow,** 286; Song Sparrow, 338. **Total,** 94 species; 16,669 individuals.—Robert Caswell, William Chaffee, Charles Clagett, Dr. E. G. Davis, Carl Dianda, Larry Griffin, Anne Terborgh, John Terborgh, John Taylor (compiler).

164. Washington, D.C. (area same as in past 10 years; city and suburban 10%, deciduous woodland 35%, pine woods, 10%, fields 12%, brush 3%, marsh 10%, water 20%).—Jan. 2; 5 a.m. to 5:30 p.m. Clear; temp. 36° to 52°; wind SW, 5-15 m.p.h.; no snow; open water. Eighty-six observers in 26 parties and 3 at feeding stations. Total party-hours, 252 (229½ on foot, 17 by car, 5½ by canoe); total party-miles, 532 (213 on foot, 311 by car, 8 by canoe). Horned Grebe, 4; Pied-billed Grebe, 23; Great Blue Heron, 72; **Am. Egret,** 1; Black-crowned Night Heron, 5; **Am. Bittern,** 1; Canada Goose, 6; Mallard, 827; Black Duck, 2094; Gadwall, 7; Am. Widgeon, 65; Pintail, 2511; Green-winged Teal, 513; Shoveller, 21; Wood Duck, 2; **Ring-necked Duck,** 1 (E.G.D.); Canvas-back, 9; Lesser Scaup, 23; Am. Golden-eye, 3; Buffle-head, 25; Ruddy Duck, 12; Hooded Merganser, 6; Am. Merganser, 164; Red-breasted Merganser, 9; Turkey Vulture, 547; Black Vulture, 51; Sharp-shinned Hawk, 10; Cooper's Hawk, 2; Red-tailed Hawk, 42; Red-shouldered Hawk, 29; Bald Eagle, 11; Marsh Hawk, 5; Peregrine Falcon, 1; Sparrow Hawk, 30; Bob-white, 146; King Rail, 2; **Virginia Rail,** 2; **Sora,** 4 (1st time for count); Am. Coot, 2; Killdeer, 325; **Am. Woodcock,** 1 (J.T.); Wilson's Snipe, 99; Lesser Yellow-legs, 3 (at Jones Pt., 2nd time for count); **Pectoral Sandpiper,** 1 (seen repeatedly prior to count at Jones Pt.—J.M.A.);

Semipalmated Sandpiper, 11 (J.M.A.); Herring Gull, 1104; Ring-billed Gull, 2179; Bonaparte's Gull, 2; Mourning Dove, 590; Barn Owl, 3; Screech Owl, 1; Horned Owl, 5; Barred Owl, 16; Short-eared Owl, 2 (A.R.S.); Belted Kingfisher, 19; Yellow-shafted Flicker, 146; Pileated Woodpecker, 7; Red-bellied Woodpecker, 90; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 30; Downy Woodpecker, 241; Eastern Phoebe, 2; Horned Lark, 26; Blue Jay, 407; Am. Crow, 952; Fish Crow, 53; **Black-capped Chickadee,** 2 (R.R.K., M.E.K.); Carolina Chickadee, 737; Tufted Titmouse, 502; White-breasted Nuthatch, 223; Brown Creeper, 72; House Wren, 2; Winter Wren, 110; Carolina Wren, 305; Long-billed Marsh Wren, 48; **Short-billed Marsh Wren,** 1; Mockingbird, 286; Catbird, 2; Am. Robin, 20; Hermit Thrush, 25; Eastern Bluebird, 199; Golden-crowned Kinglet, 460; Ruby-crowned Kinglet, 11; Water Pipit, 12; Cedar Waxwing, 48; Common Starling, 22,655; Myrtle Warbler, 313; Palm Warbler, 1 (R.R.K.); Common Yellow-throat, 1; House Sparrow, 678; Eastern Meadowlark, 46; Red-winged Blackbird, 921; Rusty Blackbird, 60; Purple Grackle, 8; Brown-headed Cowbird, 22; Cardinal, 876; Purple Finch, 103; Pine Siskin, 2; Am. Goldfinch, 1298; Eastern Towhee, 37; Savannah Sparrow, 4; Vesper Sparrow, 9; Slate-colored Junco, 2218; Am. Tree Sparrow, 259; Chipping Sparrow, 23; Field Sparrow, 507; White-crowned Sparrow, 18; White-throated Sparrow, 1532; Fox Sparrow, 9; Swamp Sparrow, 444; Song Sparrow, 928. **Total,** 111 species; 49,648 individuals. (Baltimore Oriole and Snowy Owl seen in area during period. Species set in boldface are new for this count.)—J. M. Abbott, J. Aldrich, Mr. and Mrs. Elting Arnold, I. R. Barnes, A. Bauguess, L. T. Berry, R. Boulton, J. Boyd, Mr. and Mrs. R. Butcher, R. Caswell, Wm. Chaffee, C. Clagett, J. Criswell, V. Daiker, E. G. Davis, Wm. DelGrande, A. DiMaggio, P. A. DuMont, P. G. DuMont, D. Farghuarar, R. L. Farr, A. Fast, A. Fox, M. Gilbert, P. Gilmore, G. Golding, M. Goldman, Mr. and Mrs. W. Grautoff, C. Gregg, L. Griffin, J. Hailman, E. Hayward, E. Hall, Mr. and Mrs. F. Halley, Mr. and Mrs. H. T. Henderson, W. Hill, E. Hunt, G. Hyatt, L. Kerr, M. E. Kerr, R. R. Kerr, Mrs. C. A. Kirtley, J. E. Knudson, S. Lyons, S. E. Lyons, B. Majors, C. N. Mason, J. E. Merritt, E. Meyer, M. L. Morgan, E. Mount, Wm. Mull, H. Norment, H. Oberlin, L. Oring, H. N. Page, E. A. Perkins, D. Pierce, E. Putney, E. Rogers, Mrs. D. Ruch, P. Scheid, W. Sieck, G. Sigel, C. Slusher, H. Stabler, K. Stecher, A. R. Stickley, H. A. Sutton (compiler), J. W. Taylor, A. Terborgh, J. Terborgh, M. Thomas, F. H. Thornhill, H. Tucker, B. Warfield, V. F. Weekley, Wm. White, M. Wilson, A. Worischek, J. K. Wright (Audubon Society of the District of Columbia).

165. **Abingdon, Va.** (same area as in previous years; farmland and pastures 30%, deciduous woodland 20%, mixed pine and deciduous woodland 25%, marsh and creek bottoms 20%, lake 5%).—Dec. 26; 6:45 a.m. to 5 p.m. Partly cloudy; temp. 11° to 34°; wind NW, 5-25 m.p.h.; ponds, lakes, and streams frozen after extended cold weather; no snow. Two observers in 1 and 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 55 (15 on foot, 40 by car). Mallard, 47; Black Duck, 3; Ring-necked Duck, 37; Turkey Vulture, 81; Black Vulture, 24; Cooper's Hawk, 1; Sparrow Hawk, 15; Mourning Dove, 21; Screech Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Blue Jay, 25; Am. Crow, 450; Carolina Chickadee, 76; Tufted Titmouse, 21; Winter Wren, 2; Carolina Wren, 21; Mockingbird, 14; Eastern Bluebird, 12; Golden-crowned Kinglet, 23; Loggerhead Shrike, 6; Common Starling, 700; House Sparrow, 80; Eastern Meadowlark, 105; Red-winged Blackbird, 13; Cardinal, 56; Am. Goldfinch, 110; Eastern Towhee, 1; Slate-colored Junco, 96; Field Sparrow, 46; White-crowned Sparrow, 4; White-throated Sparrow, 60; Swamp Sparrow, 4; Song Sparrow, 29. **Total,** 36 species; 2190 individuals.—Carl F. Fleenor, Stephen M. Russell (compiler).

166. **Back Bay National Wildlife Refuge, Va.** (same as in previous years; refuge area and much of mainland Princess Anne County; open farmland 20%, pine woodland 10%, deciduous woodland 20%, ocean beach 5%, marshes and inland bay 45%).—Dec. 26; 7 a.m. to 4 p.m. Partly cloudy; temp. 29° to 49°; wind SW, 5 m.p.h.; ground bare and frozen, and fresh water partially frozen. Eight observers in 2 parties. Total party-hours, 18 (14 on foot, 2 by car, 2 by motorboat); total party-miles, 133 (20 on foot, 110 by car, 3 by motorboat). Common Loon, 19; Red-throated Loon, 1; Horned Grebe, 6; Pied-billed Grebe, 1; Gannet, 72; Great Blue Heron, 3; Am. Egret, 5; Am. Bittern, 2; Whistling Swan, 2000; Canada Goose, 6000; Snow Goose, 800; Blue Goose, 2; Mallard, 35; Black Duck, 350; Gadwall, 20; Am. Widgeon, 20,000; Pintail, 800; Green-winged Teal, 21; Redhead, 2000; Canvas-back, 6000; scaup (sp.), 2000; Am. Goldeneye, 2; Buffle-head, 5; Am. Scoter, 8; Ruddy Duck, 5000; Hooded Merganser, 1; Red-breasted Merganser, 10; Turkey Vulture, 60; Black Vulture, 50; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 5; Bald Eagle, 9; Marsh Hawk, 14; Sparrow Hawk, 40; Bob-white, 15; Am. Coot, 10,000; Killdeer, 53; Black-bellied Plover, 4; Wilson's Snipe, 21; Sanderling, 14; Great Black-backed Gull, 7; Herring Gull, 200; Ring-billed Gull, 50; Common Tern, 8 (closely checked by Refuge group); Mourning Dove, 231; Yellow-shafted Flicker, 30; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Downy Woodpecker, 8; Eastern Phoebe, 2; Am. Crow, 468; Fish Crow, 48; Carolina Chickadee, 13; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 4; Brown Creeper, 2; House Wren, 2 (W.F.R., F.C.R.); Winter Wren, 4; Carolina Wren, 19; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 7; Mockingbird, 36; Catbird, 10; Brown Thrasher, 6; Am. Robin, 53; Hermit Thrush, 5; Eastern Bluebird, 82; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 2; Cedar Waxwing, 9;

Loggerhead Shrike, 9; Common Starling, 80; Orange-crowned Warbler, 4 (seen by both parties); Myrtle Warbler, 730; Palm Warbler, 3; House Sparrow, 35; Eastern Meadowlark, 326; Red-winged Blackbird, 337; Purple Grackle, 15; Brown-headed Cowbird, 1050; Cardinal, 24; Am. Goldfinch, 11; Eastern Towhee, 22; Savannah Sparrow, 87; Vesper Sparrow, 4; Slate-colored Junco, 41; Am. Tree Sparrow, 6; Chipping Sparrow, 7; Field Sparrow, 37; White-crowned Sparrow, 3; White-throated Sparrow, 570; Fox Sparrow, 2; Swamp Sparrow, 195; Song Sparrow, 276; Snow Bunting, 22. **Total,** 99 species; about 60,685 individuals.—Mrs. Floy Burford (compiler), Mike Griffin, Jack Perkins, Roger Ragoet, F. C. Richardson, W. F. Rountrey, Paul Sykes, John Withrow (members, Cape Henry Bird Club).

167. Blacksburg (Montgomery Co.), Va. (V.P.I. campus and farm, wooded residential areas on east and north edge of town, Brush Mountain and Toms Creek to Whitethorne Station, Strubles Creek to New River, New River from mouth of Strubles Creek to Giles County line; pasture and plowed land 20%, town and suburbs 10%, virgin white oak woodlots 20%, mixed pine and oak woods 20%, river and creek bottom 30%).—Dec. 29; 6:30 a.m. to 5:30 p.m. Overcast; temp. 40° to 47°; no wind; ground bare; ponds mostly covered with ice. Thirteen observers in 6 parties. Total party-hours, 43 (40½ on foot, 2½ by car); total party-miles, 105 (45 on foot, 60 by car). Mallard, 62; Black Duck, 56; Gadwall, 3; Am. Widgeon, 66 (60±, 6); Pintail, 8; Ring-necked Duck, 2; scaup (sp.), 9; Buffle-head, 21; Hooded Merganser, 16; Cooper's Hawk, 3; Red-shouldered Hawk, 1; Pigeon Hawk, 2 (A.L.D.); Sparrow Hawk, 5; Bob-white, 11 (1 covey); Killdeer, 6; Wilson's Snipe, 2; Mourning Dove, 13; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 21; Pileated Woodpecker, 10; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 47; Eastern Phoebe, 3; Horned Lark, 96; Blue Jay, 142; Am. Crow, 185; Carolina Chickadee, 96; Tufted Titmouse, 102; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 13; Brown Creeper, 1; Winter Wren, 8; Carolina Wren, 37; Mockingbird, 22; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 123; Ruby-crowned Kinglet, 4; Water Pipit, 25 (M.G.H., G.M.S.); Loggerhead Shrike, 5; Common Starling, 665 (410±, 255); Myrtle Warbler, 20; House Sparrow, 136; Eastern Meadowlark, 43; Cardinal, 155; Purple Finch, 3; Am. Goldfinch, 198; Eastern Towhee, 5; Slate-colored Junco, 184; Am. Tree Sparrow, 3; Field Sparrow, 62; White-crowned Sparrow, 79; White-throated Sparrow, 31; Fox Sparrow, 1 (A.L.D.); Song Sparrow, 73. **Total,** 61 species; about 2945 individuals.—John Cooper, A. L. Dean, M. G. Hale, W. C. Kellner, R. D. McDowell, H. S. Mosby, J. W. Murray, C. W. Roane, G. M. Shear, Mr. and Mrs. E. A. Smyth, Jr., Allan Smyth, Robert J. Watson (compiler).

168. Brooke, Va. (triangular area with Brooke, Widewater, and mouth of Potomac Creek at the 3 apices; waterfront 28%, marsh 5%, fields 7%, hedgerows 16%, mixed forest edge 33%, slash 4%, deciduous woods 3%, pine woods 4%).—Dec. 27; 7:30 a.m. to 5 p.m. Clear, except for wispy clouds in a.m.; temp. 22° to 38°; wind in p.m. only, NE 1-5 m.p.h.; ground bare; Potomac open, tidal creeks with thin ice in a.m. Nine observers in 5 parties. Total party-hours, 38 (36 on foot, 2 by car); total party-miles, 29 (24 on foot, 5 by car). Common Loon, 3; Horned Grebe, 5; Pied-billed Grebe, 5; Great Blue Heron, 9; Whistling Swan, 290; Canada Goose, 250; Mallard, 60; Black Duck, 900 (est.); Gadwall, 2; Am. Widgeon, 14; Pintail, 4; Green-winged Teal, 1; Canvas-back, 50; Lesser (?) Scaup, 220; Am. Golden-eye, 7; Buffle-head, 13; Old-squaw, 2; **Ruddy Duck,** 10,000; Hooded Merganser, 1; Am. Merganser, 115; Red-breasted Merganser, 150; Turkey Vulture, 6; Black Vulture, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 8; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 16; Virginia Rail, 1; Killdeer, 19; Wilson's Snipe, 16; Herring Gull, 200; Ring-billed Gull, 125; Mourning Dove, 75; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 21; Pileated Woodpecker, 5; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 25; Eastern Phoebe, 5; Blue Jay, 60; Am. Crow, 85; Fish Crow, 1; Carolina Chickadee, 35; Tufted Titmouse, 20; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 6; **Bewick's Wren,** 1 (R.S.C.; previously seen and identified on Nov. 11 and 29 by E.T.M., T.B.N., W.W.R.); Carolina Wren, 42; Mockingbird, 45; Brown Thrasher, 1; Am. Robin, 25; Hermit Thrush, 8; Eastern Bluebird, 50; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 1; Cedar Waxwing, 30; Loggerhead Shrike, 1; Common Starling, 200; Myrtle Warbler, 50; House Sparrow, 20; Eastern Meadowlark, 50; Red-winged Blackbird, 250; Purple Grackle, 4; Cardinal, 95; Purple Finch, 10; Pine Siskin, 15; Am. Goldfinch, 90; Eastern Towhee, 8; Savannah Sparrow, 8; Slate-colored Junco, 320; Am. Tree Sparrow, 100; Field Sparrow, 90; White-throated Sparrow, 270; Swamp Sparrow, 18; Song Sparrow, 200. **Total,** 84 species; about 14,923 individuals.—C. A. Anderson, A. A. Baker, R. S. Cannon, Jr., Allan B. Griggs, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey, Robert L. Smith, Robert E. Wallace.

169. Charlottesville, Va. (same area as in previous years, including city reservoir and Red Hill Pond; farmland 25%, riverbottom 25%, lakes and ponds 25%, deciduous woods 20%, pine woods 5%).—Dec. 26; 6:15 a.m. to 5 p.m. Fair; temp. 25° to 56°; wind W, 0-25 m.p.h.; some ice on river and ponds. Seven observers in 4 parties in a.m., 3 observers in 3 parties in p.m. Total party-hours, 34½ (30½ on foot, 4 by car); total party-miles, 121 (31 on foot, 90 by car). Mallard, 31; Black Duck, 100; Canvas-back, 11; Ruddy Duck, 2; Am.

Merganser, 5; Turkey Vulture, 170; Black Vulture, 106; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Sparrow Hawk, 3; Bob-white, 16 (2 coveys); Killdeer, 6; Mourning Dove, 49; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 22; Eastern Phoebe, 4; Horned Lark, 75; Blue Jay, 85; Am. Crow, 591; Fish Crow, 7; Carolina Chickadee, 85; Tufted Titmouse, 41; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 32; Mockingbird, 48; Am. Robin, 1; Hermit Thrush, 3; Eastern Bluebird, 92; Golden-crowned Kinglet, 62; Cedar Waxwing, 14; Loggerhead Shrike, 7; Common Starling, 979; Myrtle Warbler, 21; House Sparrow, 11; Eastern Meadowlark, 96; Red-winged Blackbird, 1; Cardinal, 166; Purple Finch, 6; Am. Goldfinch, 91; Slate-colored Junco, 526; Am. Tree Sparrow, 85; Field Sparrow, 48; White-crowned Sparrow, 6; White-throated Sparrow, 71; Fox Sparrow, 1; Song Sparrow, 68. **Total,** 54 species; 3902 individuals. (Seen in area Dec. 28: Eastern Towhee.)—Mrs. Colgate W. Darden, Jr., Mrs. Charles Gregory, David P. Gregory, Judith Gregory, Kenneth Lawless, William F. Minor, C. E. Stevens, Jr.

170. **Chincoteague National Wildlife Refuge, Va.** (Assateague Island south of Maryland line, Chincoteague Causeway, woods and fields about Naval Air Station; open farmland 2%, pine and mixed woodland 8%, bayberry and scrub Loblolly Pine thickets 25%, shallow fresh-water pools 20%, salt and brackish marshes and bay shores 25%, ocean beach and mud flats 20%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Partly cloudy; temp. 31° to 45°; wind NW, 3-10 m.p.h.; ground bare, brackish marshes partially frozen. Three observers in 2 parties. Total party-hours, 20 (17 on foot, 2 by car, 1 in motorboat); total party-miles, 74 (12 on foot, 60 by car, 2 by boat). Common Loon, 11; Red-throated Loon, 2; Horned Grebe, 98; Pied-billed Grebe, 49; Great Blue Heron, 12; Am. Egret, 4; Whistling Swan, 17; Canada Goose, 235; Am. Brant, 3800 (est.); Snow Goose, 1; Mallard, 95; Black Duck, 4396 (4300 est., 96); Gadwall, 50 (est.); Am. Widgeon, 850 (est.); Pintail, 1243 (1200 est., 43); Green-winged Teal, 600 (est.); **Blue-winged Teal,** 1 (A.S.M., F.R.S.); Shoveller, 735 (est.); scaup (sp.), 1; Am. Golden-eye, 13; Buffle-head, 28; Old-squaw, 1; Surf Scoter, 48; scoter (sp.), 90; Ruddy Duck, 10; Hooded Merganser, 15; Red-breasted Merganser, 4; Turkey Vulture, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 6; Peregrine Falcon, 1; Sparrow Hawk, 2; Clapper Rail, 2; Am. Coot, 300 (est.); Killdeer, 4; Black-bellied Plover, 27; Lesser Yellow-legs, 7 (E.O.M.); Red-backed Sandpiper, 290; Sanderling, 1; Great Black-backed Gull, 11; Herring Gull, 298 (200 est., 98); Ring-billed Gull, 500 (est.); Mourning Dove, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 20; Tree Swallow, 1; Am. Crow, 2790 (2700 est., 90); Fish Crow, 400 (est.); Tufted Titmouse, 1; Carolina Wren, 4; Short-billed Marsh Wren, 1; Catbird, 5; Brown Thrasher, 2; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Water Pipit, 40; Common Starling, 110; **Orange-crowned Warbler,** 1 (A.S.M.); Myrtle Warbler, 423; Palm Warbler (Western), 1; House Sparrow, 7; Eastern Meadowlark, 46; Red-winged Blackbird, 63; Boat-tailed Grackle, 244; Brown-headed Cowbird, 9; Cardinal, 3; Am. Goldfinch, 1; Eastern Towhee, 2; Savannah Sparrow, 20; Sharp-tailed Sparrow, 1; Slate-colored Junco, 2; Field Sparrow, 1; White-throated Sparrow, 19; Fox Sparrow, 3; Swamp Sparrow, 11; Song Sparrow, 17. **Total,** 80 species; about 18,143 individuals.—E. O. Mellinger, A. S. Messenger, F. R. Scott (compiler).

171. **Clarksville, Va.** (Buggs Island Lake and its shores north 4 miles from Clarksville, area immediately surrounding John H. Kerr Dam, Roanoke River 2 miles south of Kerr Dam; lake 50%, pine woods 15%, open fields 10%, roadside 5%, riverbottom forest 20%).—Jan. 2; 7 a.m. to 5 p.m. Clear; temp. 29° to 54°; wind W, 0-10 m.p.h.; lake coves frozen in early a.m. Three observers in 1 party. Total hours, 10 (car used once for shifting between points); total miles, 28 (5 on foot, 15 by car, 8 by boat). Horned Grebe, 3; Pied-billed Grebe, 10; Great Blue Heron, 12; Mallard, 9; Black Duck, 2; Lesser Scaup, 4; Am. Golden-eye, 4; Buffle-head, 2; Red-breasted Merganser, 6; Turkey Vulture, 5; Black Vulture, 6; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Turkey, 1; Am. Coot, 1; Killdeer, 8; Ring-billed Gull, 25; Mourning Dove, 52; Barred Owl, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Eastern Phoebe, 2; Horned Lark (Prairie), 3; Blue Jay, 3; Am. Crow, 27; Carolina Chickadee, 14; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Winter Wren, 6; Carolina Wren, 8; Mockingbird, 2; Am. Robin, 46; Hermit Thrush, 8; Eastern Bluebird, 20; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 5; Cedar Waxwing, 25; Loggerhead Shrike, 3; Common Starling, 6; Myrtle Warbler, 4; Palm Warbler (Western), 2; Cardinal, 10; Am. Goldfinch, 55; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 57; Field Sparrow, 41; White-throated Sparrow, 22; Song Sparrow, 23. **Total,** 54 species; 574 individuals.—R. O. Paxton (compiler), R. Eggleston, Royster Lyle, Jr.

172. **Fort Belvoir, Va.** (same as last year).—Jan. 3; 6:15 a.m. to 4:30 p.m. Overcast, intermittent rain in a.m., clearing at 11 a.m. with brisk NW winds; temp. 35° to 55°; wind WNW to NW, 5-30 m.p.h.; ground bare, marshes partly frozen but all fresh water open. Twenty-four observers in 7 parties. Total party-hours, 129 (114 on foot, 15 by car); total party-miles, 309½ (98½ on foot, 211 by car). Common Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 12; Canada Goose, 30; Mallard, 52; Black Duck, 701; Pintail, 11; Redhead, 1; Greater Scaup, 112; Am. Golden-eye, 2; Buffle-

head, 200; Ruddy Duck, 189; Am. Merganser, 146; Red-breasted Merganser, 1; Turkey Vulture, 77; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 12; Rough-legged Hawk, 1; Bald Eagle, 20; Marsh Hawk, 4; Sparrow Hawk, 8; Bob-white, 84; Virginia Rail, 4; Killdeer, 109; Wilson's Snipe, 2; Herring Gull, 59; Ring-billed Gull, 580; Bonaparte's Gull, 1; Mourning Dove, 333; Horned Owl, 6; Barred Owl, 4; Belted Kingfisher, 9; Yellow-shafted Flicker, 83; Pileated Woodpecker, 6; Red-bellied Woodpecker, 33; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 21; Downy Woodpecker, 81; Eastern Phoebe, 1; Blue Jay, 315; Am. Crow, 305; Fish Crow, 20; Carolina Chickadee, 271; Tufted Titmouse, 176; White-breasted Nuthatch, 64; Red-breasted Nuthatch, 1; Brown Creeper, 39; **Winter Wren,** 39; **Carolina Wren,** 218; Long-billed Marsh Wren, 4; Mockingbird, 86; Catbird, 1; Am. Robin, 446; Hermit Thrush, 12; Eastern Bluebird, 97; Golden-crowned Kinglet, 194; Ruby-crowned Kinglet, 3; Cedar Waxwing, 147; Common Starling, 2975; Myrtle Warbler, 247; Palm Warbler, 2 (Western); Common Yellow-throat, 1; House Sparrow, 190; Eastern Meadowlark, 162; Red-winged Blackbird, 768; Rusty Blackbird, 260; Purple Grackle, 22; Brown-headed Cowbird, 11; Cardinal, 234; Purple Finch, 37; Pine Siskin, 1; Am. Goldfinch, 387; Eastern Towhee, 19; Vesper Sparrow, 5; Slate-colored Junco, 1446; Am. Tree Sparrow, 188; Field Sparrow, 317; White-crowned Sparrow, 14; White-throated Sparrow, 495; Fox Sparrow, 3; Swamp Sparrow, 108; Song Sparrow, 194. **Total,** 87 species; 13,544 individuals. (Seen in area Jan. 2: Am. Coot, 2.)—J. M. Abbott (compiler), I. R. Barnes, S. Briggs, R. Caswell, P. A. DuMont, P. G. DuMont, J. Fisher, M. Gilbert, G. Golding, C. Gregg, J. Hailman, E. Hall, E. Hayward, I. C. Hoover, C. Hoover, D. Kunkle, W. Mull, L. Oring, G. Sigel, H. Sutton, H. Stabler, M. Thomas, J. Watson, J. K. Wright.

173. **Harrisonburg, Va.** (Waterman Wood to Tide Spring, a total distance of 12 miles including oak-hickory-cedar-pine woodlot 60%, oak-hickory woodlot 10%, a small village bordering college campus 10%, cedar-pine wasteland 5%, pasture field and fence rows 15%. Small pond in oak-hickory woodlot).—Dec. 26; 8:10 a.m. to 3:30 p.m. Clear; temp. 25° to 45°; wind S, 10-20 m.p.h.; light frost in a.m.; ice on pools. Two observers working together within calling distance. Total party-hours, 7½ (7 on foot, ½ by car); total party-miles, 17 (5 on foot, 12 by car). Turkey Vulture, 112; Black Vulture, 2; Red-tailed Hawk, 5; Sparrow Hawk, 2; Bob-white, 20; Mourning Dove, 11; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 5; Am. Crow, 60; Carolina Chickadee, 38; Tufted Titmouse, 21; White-breasted Nuthatch, 13; Mockingbird, 24; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Cedar Waxwing, 23; Common Starling, 288; Myrtle Warbler, 12; House Sparrow, 105; Eastern Meadowlark, 15; Cardinal, 31; Purple Finch, 4; Am. Goldfinch, 34; Slate-colored Junco, 90; Am. Tree Sparrow, 6; Field Sparrow, 4; White-throated Sparrow, 11. **Total,** 30 species; 958 individuals.—Fred Brunk, Daniel B. Suter (compiler).

174. **Hopewell, Va.** (Presquile National Wildlife Refuge, Curles Neck, Richmond Battlefield Park, Shirley, Meadowville, and Hopewell; this area replaces the Richmond, Va., count begun in 1944; open farmland 30%, brushy fields 10%, marshes and river shore 10%, deciduous wooded swamp 10%, pine or mixed woodland 40%).—Jan. 3; 5 a.m. to 4:45 p.m. Overcast with rain in early a.m., partly cloudy rest of day; temp. 43° to 50°; wind SW, 7-25 m.p.h.; ground bare; water open. Four observers in 3 parties. Total party-hours, 28 (20 on foot, 3½ by car, 4½ by boat); total party-miles, 130 (12 on foot, 112 by car, 6 by boat). Pied-billed Grebe, 5; **Great Blue Heron,** 77; **Am. Egret,** 2 (C.E.S.); Canada Goose, 4600 (est.); Snow Goose, 1; Blue Goose, 1; Mallard, 675 (est.); Black Duck, 336 (300 est., 36); Gadwall, 2; Am. Widgeon, 122; Pintail, 49; Green-winged Teal, 4; Shoveller, 1; **Wood Duck,** 75 (est. by Mr. and Mrs. J. D.); scaup (sp.), 11; Ruddy Duck, 112; Am. Merganser, 13; Turkey Vulture, 46; Black Vulture, 14; Red-tailed Hawk, 1; Red-shouldered Hawk, 8; Bald Eagle, 6; Marsh Hawk, 5; Sparrow Hawk, 10; Bob-white, 18; Killdeer, 4; Wilson's Snipe, 1; Herring Gull, 6; Ring-billed Gull, 494; Mourning Dove, 36; Horned Owl, 1; Barred Owl, 2; **Short-eared Owl,** 1 (J.D.); Belted Kingfisher, 1; Yellow-shafted Flicker, 29; Pileated Woodpecker, 8; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 14; Eastern Phoebe, 6; Horned Lark, 3; Blue Jay, 12; Am. Crow, 88; Carolina Chickadee, 52; Tufted Titmouse, 28; White-breasted Nuthatch, 6; Brown Creeper, 3; Winter Wren, 8; Carolina Wren, 42; Mockingbird, 37; Brown Thrasher, 4; Am. Robin, 314; Hermit Thrush, 4; Eastern Bluebird, 69; Golden-crowned Kinglet, 64; Ruby-crowned Kinglet, 8; Water Pipit, 2; Cedar Waxwing, 244; Loggerhead Shrike, 15; Common Starling, 169; Myrtle Warbler, 69; Pine Warbler, 3; House Sparrow, 50; Eastern Meadowlark, 239; Red-winged Blackbird, 52; Cardinal, 144; Purple Finch, 7; Am. Goldfinch, 41; Eastern Towhee, 20; Savannah Sparrow, 2; Slate-colored Junco, 425; **Am. Tree Sparrow,** 8 (C.E.S.); Field Sparrow, 62; White-throated Sparrow, 281; Fox Sparrow, 2; Swamp Sparrow, 23; Song Sparrow, 71. **Total,** 78 species; about 9487 individuals.—Mr. and Mrs. John DeLime, F. R. Scott, C. E. Stevens, Jr.

175. **Lexington, Va.** (same as last year).—Dec. 28; 7 a.m. to 5 p.m. Overcast; showers in a.m.; temp. 34° to 45°; no wind; ground frozen, thawing in p.m.; ponds frozen, streams mostly open. Twelve observers in 3 parties. Total party-hours, 29 (26 on foot, 3 by car); total party-miles, 103 (31 on foot, 72 by car). Great Blue Heron, 1; Mallard, 17; Black Duck, 1; Am. Widgeon, 2; Turkey Vulture, 66; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1;

Sparrow Hawk, 6; Bob-white, 25; Killdeer, 6; Wilson's Snipe, 4; Mourning Dove, 50; Screech Owl, 1; Horned Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 11; Pileated Woodpecker, 9; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 15; Eastern Phoebe, 4; Horned Lark, 34; Blue Jay, 131; Common Raven, 2; Am. Crow, 558; Black-capped Chickadee, 2; Carolina Chickadee, 87; Tufted Titmouse, 49; White-breasted Nuthatch, 13; Carolina Wren, 38; Mockingbird, 54; Hermit Thrush, 1; Eastern Bluebird, 41; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 2; Cedar Waxwing, 16; Loggerhead Shrike, 6; Common Starling, 523; Myrtle Warbler, 16; House Sparrow, 233; Eastern Meadowlark, 79; Rusty Blackbird, 11; Cardinal, 221; Purple Finch, 19; Am. Goldfinch, 54; Eastern Towhee, 3; Slate-colored Junco, 120; Am. Tree Sparrow, 4; Field Sparrow, 1; White-crowned Sparrow, 67; White-throated Sparrow, 92; Song Sparrow, 19. **Total,** 56 species; 2775 individuals.—Houston Barclay, R. P. Carroll, Robert Carroll, Jr., Anne Carroll, David Foster, John Letcher, J. J. Murray (compiler), Dickson Vardell Murray, A. B. Niemeyer, Robert O. Paxton, Charles Ritchey, Joshua Womeldorf.

176. **Mt. Rogers, Va.** (same area as previous years; elevation range 4400 to 5719 ft.; deciduous forest 40%, grassy fields 30%, spruce-fir forest 30%). —Dec. 27; 6:45 a.m. to 5:15 p.m. Clear; temp. 18° to 28°; wind NW, 0-6 m.p.h.; little snow except in sheltered spots; streams partially frozen over. Four observers in 2 parties. Total party-hours, 19½; total party-miles, 24 (all on foot). Turkey Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; **Golden Eagle,** 1 (immature; all field marks carefully observed—F.W.B.); Ruffed Grouse, 9; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 18; Common Raven, 5; Am. Crow, 87; chickadee (sp.), 8; Tufted Titmouse, 54; White-breasted Nuthatch, 18; **Red-breasted Nuthatch,** 91; Brown Creeper, 4; Golden-crowned Kinglet, 5; Cardinal, 10; Pine Siskin, 200; Am. Goldfinch, 67; Red Crossbill, 2; Eastern Towhee, 1; Slate-colored Junco, 117. **Total,** 22 species; 714 individuals.—Fred W. Behrend, Douglas A. Patterson, Stephen M. Russell (compiler), A. Randolf Shields.

177. **Newport News, Va.** (Mariner's Museum, Warwick Park, Big Bethel Reservoir, Sawyers Swamp Road, and waterfront from Boat Harbor to Grandview; woodlands 33 1/3%, fresh-water ponds and open fields 33 1/3%, waterfront 33 1/3%).—Dec. 26; 7 a.m. to 1 p.m. Clear; temp. 28° to 40°; very light wind. Six observers in 3 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 65 (15 on foot, 50 by car). Common Loon, 3; Horned Grebe, 80; Pied-billed Grebe, 4; Great Blue Heron, 12; Canada Goose, 27; Mallard, 61; Black Duck, 158; Am. Widgeon, 137; Green-winged Teal, 12; Wood Duck, 2; Redhead, 4; Ring-necked Duck, 38; Lesser Scaup, 36; Am. Golden-eye, 17; Bufflehead, 40; Old-squaw, 77; Surf Scoter, 15; Am. Scoter, 11; Ruddy Duck, 121; Hooded Merganser, 49; Red-breasted Merganser, 61; Turkey Vulture, 8; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 3; Sparrow Hawk, 3; Bob-white, 1; Clapper Rail, 1; Killdeer, 39; Black-bellied Plover, 3; Red-backed Sandpiper, 35; **Semipalmated Sandpiper,** 1; Sanderling, 15; Herring Gull, 220; Ring-billed Gull, 855; Bonaparte's Gull, 31; Forster's Tern, 8; **Royal Tern,** 1; Mourning Dove, 100; Belted Kingfisher, 4; Yellow-shafted Flicker, 6; Downy Woodpecker, 3; Blue Jay, 1; Am. Crow, 32; Fish Crow, 1; Carolina Chickadee, 51; Tufted Titmouse, 37; White-breasted Nuthatch, 1; Carolina Wren, 13; Mockingbird, 22; Catbird, 1; Brown Thrasher, 2; Am. Robin, 6; Hermit Thrush, 5; Eastern Bluebird, 34; Golden-crowned Kinglet, 23; Common Starling, 299; Myrtle Warbler, 331; Pine Warbler, 1; House Sparrow, 64; Eastern Meadowlark, 39; **Baltimore Oriole,** 1 (♀ at Mariner's Museum feeding station and seen regularly for week prior to count); Purple Grackle, 1; Brown-headed Cowbird, 3; Cardinal, 23; Am. Goldfinch, 10; Eastern Towhee, 20; **Ipswich Sparrow,** 2; Savannah Sparrow, 72; Slate-colored Junco, 268; Field Sparrow, 35; White-throated Sparrow, 132; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 44; **Snow Bunting,** 50. **Total,** 76 species; 3929 individuals.—John Grey, Charles Hacker, Sydney Mitchell, Doris D. Smith, Godfrey L. Smith, Walter Post Smith (compiler) (Hampton Roads Bird Club).

178. **Saxis, Va.** (northwestern Accomack Co., including Saxis, Withams, Sanford, Guilford, Hopkins, Parksley, and Bloxom; open farmland 25%, pine and mixed woodland 20%, slash 5%, marshes and tidal inlets off Chesapeake Bay 50%).—Dec. 28; 7 a.m. to 4:30 p.m. Heavily overcast, dark, with intermittent rain; temp. 37° to 49°; wind NE, 0-5 m.p.h.; ground bare; water open. One observer. Total hours, 9½ (8 on foot, 1½ by car); total miles, 69 (4 on foot, 65 by car). Common Loon, 1; Horned Grebe, 115; Great Blue Heron, 1; Canvasback, 600 (est.); scaup (sp.), 1; Am. Golden-eye, 14; Buffle-head, 9; Old-squaw, 6; Surf Scoter, 90; Ruddy Duck, 700 (est.); Turkey Vulture, 7; Cooper's Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 4; Sparrow Hawk, 1; Clapper Rail, 1; Killdeer, 6; Greater Yellow-legs, 2; Great Black-backed Gull, 2; Herring Gull, 4; Ring-billed Gull, 31; Short-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 20; Blue Jay, 1; Am. Crow, 135; Fish Crow, 1; Carolina Chickadee, 16; Tufted Titmouse, 1; Brown-headed Nuthatch, 10; Carolina Wren, 19; Short-billed Marsh Wren, 15; Mockingbird, 4; Catbird, 2; Am. Robin, 7; Hermit Thrush, 2; Eastern Bluebird, 8; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Water Pipit, 30; Common Starling, 4; Myrtle Warbler, 260; House Sparrow, 35; Eastern Meadowlark, 9; Red-winged Blackbird, 119; Boat-tailed Grackle, 1; Brown-headed Cowbird, 25; Cardinal, 7; Am. Goldfinch, 36; Eastern Towhee, 2; Sharp-tailed Sparrow, 1; Slate-colored

Junco, 32; Field Sparrow, 12; White-throated Sparrow, 28; Swamp Sparrow, 59; Song Sparrow, 21. **Total,** 60 species; about 2542 individuals.—F.R. Scott.

179. Shenandoah National Park, Va. (same area as in last 3 years; 7½-mile radius centering on Skyland, altitude 1000-3680 ft.).—Dec. 30; 8:45 a.m. to 5 p.m. Partly cloudy and cloudy; temp. 37° to 53°; wind little or none; ground bare. One observer. Total hours, 7 (4 on foot, 3 by car); total miles, 72 (2 on foot, 70 by car). Turkey Vulture, 55; Black Vulture, 20; Red-tailed Hawk, 2; Ruffed Grouse, 1; Pileated Woodpecker, 1; Downy Woodpecker, 3; Common Raven, 9; Am. Crow, 18; Carolina Chickadee, 13; Tufted Titmouse, 5; Carolina Wren, 6; Am. Robin, 1; Cardinal, 13; Am. Goldfinch, 18; Slate-colored Junco, 27; Am. Tree Sparrow, 4; White-throated Sparrow, 7; Fox Sparrow, 2; Song Sparrow, 1. **Total,** 19 species; 206 individuals. (Heard in area Dec. 29: Horned Owl, 1.)—Paul G. Favour, Jr. (Park Naturalist).

180. Surry, Va. (south side of James River from Scotland to Rushmere, including Hog Island State Wildlife Refuge, Surry, and Bacons Castle; open farmland 15%, woodland 50%, hedgerows and brushy fields 5%, marshes and river shore 30%).—Jan. 1; 6:45 a.m. to 5:15 p.m. Fair; temp. 30° to 54°; wind SW, 10-30 m.p.h.; ground bare; some marshes partially frozen. Three observers in 1 and 2 parties. Total party-hours, 13½ (12 on foot, 1½ by car); total party-miles, 71 (6 on foot, 65 by car). Horned Grebe, 2; Great Blue Heron, 11; Canada Goose, 500 (est.); Snow Goose, 3; Blue Goose, 1; Mallard, 283 (250 est., 33); Black Duck, 205; Gadwall, 3; Green-winged Teal, 99; **Blue-winged Teal,** 2 (F.R.S.); Redhead, 300 (est.); Canvas-back, 400 (est.); scaup (sp.), 17; Buffle-head, 1; Ruddy Duck, 1079 (900 est., 179); Am. Merganser, 30; Red-breasted Merganser, 14; Turkey Vulture, 28; Black Vulture, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 5; Bob-white, 7; Am. Coot, 1; Killdeer, 51; Wilson's Snipe, 1; Herring Gull, 2; Ring-billed Gull, 78; Mourning Dove, 15; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; Blue Jay, 1; Am. Crow, 48; Carolina Chickadee, 17; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 9; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 12; Catbird, 1; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 18; Golden-crowned Kinglet, 36; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 7; Common Starling, 342 (250 est., 92); Myrtle Warbler, 135; Eastern Meadowlark, 2; Red-winged Blackbird, 1250 (est.); Rusty Blackbird, 21; Purple Grackle, 20; Brown-headed Cowbird, 30; Cardinal, 21; Am. Goldfinch, 1; Slate-colored Junco, 56; Field Sparrow, 1; White-throated Sparrow, 64; Fox Sparrow, 5; Swamp Sparrow, 5; Song Sparrow, 30. **Total,** 68 species; about 5314 individuals.—R. J. Beasley, F. R. Scott, C. C. Steirly.

181. Toano, Va. (James City County between Rt. 168 and York River, bounded on north by Ware Creek, and on south by Schiminoe Creek; river front 50%, marshes and swamps 15%, fresh-water ponds 5%, woodlands 20%, open farmland 10%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Clear; temp. 30°-54°; wind SW, light; ground bare; water open. One observer. Total hours, 9 (on foot); total miles, 15 (on foot). Horned Grebe, 2; Pied-billed Grebe, 3; Great Blue Heron, 2; Mallard, 50; Black Duck, 506; Ring-necked Duck, 13; Canvas-back, 41; Lesser Scaup, 31; Am. Golden-eye, 32; Buffle-head, 20; Ruddy Duck, 21; Hooded Merganser, 1; Red-breasted Merganser, 1; Turkey Vulture, 10; Black Vulture, 1; Red-tailed Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Virginia Rail, 3; **Sora,** 10; Wilson's Snipe, 1; Herring Gull, 10; Ring-billed Gull, 2; Screech Owl, 1; **Saw-whet Owl,** 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 2; Horned Lark, 45; Am. Crow, 30; Carolina Chickadee, 15; Tufted Titmouse, 3; Winter Wren, 2; Carolina Wren, 26; Mockingbird, 5; Catbird, 1; Brown Thrasher, 1; Am. Robin, 37; Eastern Bluebird, 10; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 4; Water Pipit, 5; Cedar Waxwing, 6; Loggerhead Shrike, 2; Common Starling, 10; Myrtle Warbler, 12; House Sparrow, 9; Eastern Meadowlark, 130; Red-winged Blackbird, 34; Cardinal, 10; **Dickcissel,** 1 (♀ at feeding tray with sparrows; identity checked by John Grey); Am. Goldfinch, 5; Savannah Sparrow, 5; Slate-colored Junco, 120; Field Sparrow, 38; White-throated Sparrow, 40; Fox Sparrow, 1; Swamp Sparrow, 23; Song Sparrow, 8. **Total,** 63 species; 1435 individuals. During the dates of the Christmas Count, and in the 15-mile circle, a ♀ **Baltimore Oriole** was seen at feeding tray of Geraldine Claiborne in Williamsburg, observed on Dec. 23-25 at the same time a similar bird was seen at Newport News 25 miles away (J.H. Grey).—R. Bruce McCartney.

182. Warren (Albermarle Co.), Va. (same area as in previous years, plus Hardware River from Jefferson's Mill to Carter's Bridge and minus Red Hill; open farmland 45%, riverbottom 35%, deciduous woods 15%, pine woods 5%).—Dec. 27; 7 a.m. to 5 p.m. Partly cloudy; temp. 26° to 47°; wind negligible. Four observers in 3 parties in a.m., 4 parties in p.m. Total party-hours, 33½ (28½ on foot, 5 by car); total party-miles, 144 (34 on foot, 110 by car). Mallard, 10; Black Duck, 1; Lesser Scaup, 1; Ruddy Duck, 1; Turkey Vulture, 29; Black Vulture, 50; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; **Rough-legged Hawk,** 1 (K.L.); Sparrow Hawk, 2; Bob-white, 17; Killdeer, 13; Mourning Dove, 284; Belted Kingfisher, 2; Yellow-shafted Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 22; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 34; Eastern Phoebe, 10; Horned Lark, 7; Blue Jay, 44; Am. Crow, 538; Carolina Chickadee, 98; Tufted Titmouse, 34; White-breasted Nuthatch, 22; **Red-breasted Nuthatch,** 1; Brown

Creeper, 1; Winter Wren, 9; Carolina Wren, 45; Mockingbird, 51; Am. Robin, 8; Hermit Thrush, 5; Eastern Bluebird, 100; Golden-crowned Kinglet, 38; Cedar Waxwing, 54; Loggerhead Shrike, 13; Common Starling, 390; Myrtle Warbler, 62; House Sparrow, 25; Eastern Meadowlark, 42; Red-winged Blackbird, 1; Cardinal, 216; Purple Finch, 29; Am. Goldfinch, 44; Slate-colored Junco, 507; Am. Tree Sparrow, 38; Field Sparrow, 34; White-crowned Sparrow, 12; White-throated Sparrow, 124; Swamp Sparrow, 4; Song Sparrow, 67. **Total,** 55 species; 3187 individuals.—Kenneth Lawless, William F. Minor, Charles E. Stevens, Jr., Robert J. Watson.

183. Yorktown, Va. (same area as in previous years; marshes and river shore 35%, deciduous woods 25%, pine woodland 25%, open farmland 15%).—Jan. 2; 6:45 a.m. to 5:30 p.m. Clear; temp. 27°-60°; wind SW, 1-15 m.p.h.; ground bare; water open. Eight observers in 4 parties. Total party-hours, 35 (25 on foot, 10 by car); total party-miles, 179 (19 on foot, 160 by car). Common Loon, 1; Horned Grebe, 429; Pied-billed Grebe, 15; Great Blue Heron, 16; Canada Goose, 77; Mallard, 7; Black Duck, 6; Gadwall, 34; Am. Widgeon, 26; Pintail, 99; Green-winged Teal, 12; Ring-necked Duck, 21; Canvasback, 291; scaup (sp.), 723; Am. Golden-eye, 193; Buffle-head, 215; Ruddy Duck, 951; Hooded Merganser, 17; Am. Merganser, 64; Red-breasted Merganser, 25; Turkey Vulture, 24; Black Vulture, 16; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; **Rough-legged Hawk,** 2 (F.R.S.); Bald Eagle, 7; Marsh Hawk, 2; **Peregrine Falcon,** 1 (R.J.B.); Sparrow Hawk, 1; Bob-white, 9; Killdeer, 125; Wilson's Snipe, 2; Red-backed Sandpiper, 2; Sanderling, 150; Herring Gull, 105; Ring-billed Gull, 101; Mourning Dove, 41; Belted Kingfisher, 15; Yellow-shafted Flicker, 32; Pileated Woodpecker, 3; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 19; Eastern Phoebe, 3; Blue Jay, 1; Am. Crow, 32; Fish Crow, 1; Carolina Chickadee, 107; Tufted Titmouse, 26; White-breasted Nuthatch, 5; Brown Creeper, 14; Winter Wren, 6; Carolina Wren, 117; Mockingbird, 62; Catbird, 2; Brown Thrasher, 5; Am. Robin, 78; Hermit Thrush, 15; Eastern Bluebird, 102; Golden-crowned Kinglet, 122; Ruby-crowned Kinglet, 8; Water Pipit, 10; Loggerhead Shrike, 1; Common Starling, 213; Myrtle Warbler, 657; Pine Warbler, 11; House Sparrow, 43; Eastern Meadowlark, 136; Red-winged Blackbird, 1214; Brown-headed Cowbird, 99; Cardinal, 104; Purple Finch, 9; Am. Goldfinch, 92; Eastern Towhee, 36; Savannah Sparrow, 25; **Seaside Sparrow,** 3 (R.J.B.); Slate-colored Junco, 351; Field Sparrow, 31; White-throated Sparrow, 519; Fox Sparrow, 20; Swamp Sparrow, 31; Song Sparrow, 105. **Total,** 83 species; about 8309 individuals.—R. J. Beasley, John Grey (compiler), Melvin Hathaway, Duke Howard, Norman Pope, Fred R. Scott, Walter P. Smith, Charles E. Stevens.

184. Aurora, N.C. (7½-mile radius, centering on Guaranty Bank Bldg., and excluding most of swamp directly south and most of South Creek except its mouth; mixed pine-oak woods 20%, open pine woods 10%, thickets 30%, plowed fields 15%, pasture 5%, marsh 5%, open water [brackish] 15%).—Dec. 28; 8:10 a.m. to 4:50 p.m. Cloudy, frequent light rain; temp. 40° to 55°; calm. Two observers together. Total party-hours, 8¼ (4 on foot, 4¼ by car); total party-miles, 72 (8 on foot, 64 by car). Common Loon, 2; Horned Grebe, 9; Pied-billed Grebe, 8; Canada Goose, 300; Black Duck, 35; Ring-necked Duck, 15; Buffle-head, 20; Ruddy Duck, 18; Red-breasted Merganser, 5; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 5; Mourning Dove, 2; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 3; Blue Jay, 9; Am. Crow, 100; Fish Crow, 4; Tufted Titmouse, 3; Brown-headed Nuthatch, 3; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 6; Catbird, 1; Brown Thrasher, 2; Am. Robin, 275; Hermit Thrush, 1; Eastern Bluebird, 27; Blue-gray Gnatcatcher, 1 (observed for several minutes at 20 ft. with 7x50 binoculars); Ruby-crowned Kinglet, 14; Loggerhead Shrike, 3; Myrtle Warbler, 72; House Sparrow, 5; Eastern Meadowlark, 31; Red-winged Blackbird, 1400 (est.); Cardinal, 4; Purple Finch, 4; Am. Goldfinch, 5; Eastern Towhee, 20; Savannah Sparrow, 10; Slate-colored Junco, 26; Chipping Sparrow, 10; Field Sparrow, 25; White-throated Sparrow, 39; Swamp Sparrow, 5; Song Sparrow, 22. **Total,** 52 species; about 2572 individuals.—Alice A. (Mrs. H. C.) Jones, Harold C. Jones.

185. Chapel Hill, N.C. (7½-mile radius centering on Franklin and Columbia Streets and including University Lake, Hogans Lake, University Golf Course; plow land 10%, pasture 20%, town suburbs 25%, deciduous farm woodlots 10%, lake fronts 15%, University campus 10%, feeding stations 10%).—Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. 24° to 50°; wind SW, 8-10 m.p.h.; all fresh water frozen except lakes. Seventeen observers in 11 parties. Total party-hours, 38 (30 on foot, 8 by car); total party-miles, 93 (27 on foot, 66 by car). Pied-billed Grebe, 6; Great Blue Heron, 2; Mallard, 40; Black Duck, 30; Gadwall, 18; Ring-necked Duck, 86; Lesser Scaup, 4; Ruddy Duck, 7; Hooded Merganser, 20; Turkey Vulture, 16; Black Vulture, 24; Red-tailed Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 6; Bob-white, 23; Turkey, 1; Am. Coot, 60; Killdeer, 5; Mourning Dove, 59; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 11; Downy Woodpecker, 22; Eastern Phoebe, 5; Blue Jay, 30; Am. Crow, 55; Carolina Chickadee, 134; Tufted Titmouse, 105; White-breasted Nuthatch, 50; Brown-headed Nuthatch, 26; Brown Creeper, 4; Winter Wren, 7; Carolina Wren, 55; Mockingbird, 45; Brown Thrasher, 14; Am. Robin, 6; Hermit Thrush, 14; Eastern Bluebird, 68; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 16;

Water Pipit, 101; Cedar Waxwing, 66; Loggerhead Shrike, 9; Common Starling, 18; Myrtle Warbler, 38; Pine Warbler, 12; House Sparrow, 46; Eastern Meadowlark, 43; Red-winged Blackbird, 38; Purple Grackle, 14; Cardinal, 120; Purple Finch, 35; Am. Goldfinch, 66; Eastern Towhee, 42; Savannah Sparrow, 45; Slate-colored Junco, 400; Field Sparrow, 40; White-throated Sparrow, 343; Fox Sparrow, 15; Swamp Sparrow, 12; Song Sparrow, 63. **Total,** 68 species; 2739 individuals.—Matt L. Thompson (compiler), Mrs. Matt L. Thompson, Bobby Thompson, Phillips Russell, Mrs. Guyon Johnson, W. L. McAtee, Dr. and Mrs. Gerald MacCarthy, Mr. and Mrs. R. P. Kaighn, Francis Yocum, Mary Yocum, Coyt Coker, Adelaide Walters, Lt. Col. Mark Orr, Mr. and Mrs. R. B. Sharp.

186. Charlotte, N.C. (area same as in past 11 years).—Dec. 26; 7:15 a.m. to 5 p.m. Overcast; heavy frost in a.m.; temp. 19° to 51°; wind very light; pond edges frozen. Twelve observers in 4 parties. Total party-hours, 35 (15 on foot, 20 by car); total party-miles, 175 (40 on foot, 135 by car). Pied-billed Grebe, 12; Great Blue Heron, 1; Canada Goose, 1; Mallard, 3; Am. Widgeon, 3; scaup (sp.), 2; Turkey Vulture, 17; Black Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 12; Am. Coot, 1; Killdeer, 31; Am. Woodcock, 1; Mourning Dove, 43; Yellow-shafted Flicker, 31; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 2; Horned Lark, 23; Blue Jay, 24; Am. Crow, 46; Carolina Chickadee, 52; Tufted Titmouse, 28; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 4; Carolina Wren, 18; Mockingbird, 12; Catbird, 1; Brown Thrasher, 2; Am. Robin, 3; Hermit Thrush, 3; Eastern Bluebird, 205; Ruby-crowned Kinglet, 3; Cedar Waxwing, 10; Loggerhead Shrike, 3; Common Starling, 85; Myrtle Warbler, 15; Pine Warbler, 25; House Sparrow, 62; Eastern Meadowlark, 61; Cardinal, 56; Purple Finch, 19; Am. Goldfinch, 48; Eastern Towhee, 10; Savannah Sparrow, 35; Slate-colored Junco, 250 (est.); Field Sparrow, 80; White-throated Sparrow, 31; Fox Sparrow, 2; Song Sparrow, 46. **Total,** 58 species; about 1448 individuals.—Jean Burgin, B. R. Chamberlain (compiler), Mrs. B. R. Chamberlain, Norman Chamberlain, Mrs. E. O. Clarkson, Dick Crutchfield, J. P. Hamilton, Jane Little, Steve Mahaley, Brem Mayer, Bill Smith, Olin Wearn (Mecklenburg Audubon Club).

187. Greensboro, N.C. (7½-mile radius, centering ½ mile southwest of transmitter of Radio Station WBIG, same area as in 1952; deciduous and pine woods 25%, thickets 15%, fresh-water lakes and ponds 25%, open fields 15%, marsh and wooded swamps 10%, lawns and parks 10%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Nearly clear in a.m., mostly cloudy in p.m.; temp. 27° to 48°; wind N to E to SW, 4-10 m.p.h.; ground clear, all lakes and ponds partially frozen, thin sheet or slush ice. Thirty observers in 16 parties. Total party-hours, 95 (65 on foot, 30 by car); total party-miles, 184 (49 on foot, 135 by car). Pied-billed Grebe, 10; Great Blue Heron, 4; Mallard, 53; Black Duck, 11; Am. Widgeon, 7; Lesser Scaup, 6, Buffle-head, 2; Old-squaw, 1; Am. Merganser, 5; Turkey Vulture, 49; Black Vulture, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Sparrow Hawk, 4; Bob-white, 21; Am. Coot, 2; Killdeer, 39; Mourning Dove, 168; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 64; Pileated Woodpecker, 1; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 13; Downy Woodpecker, 63; Eastern Phoebe, 12; Horned Lark, 66; Blue Jay, 112; Am. Crow, 469; Carolina Chickadee, 271; Tufted Titmouse, 170; White-breasted Nuthatch, 63; Brown-headed Nuthatch, 20; Brown Creeper, 17; Winter Wren, 7; Carolina Wren, 99; Mockingbird, 128; Brown Thrasher, 1; Am. Robin, 58; Hermit Thrush, 5; Eastern Bluebird, 232; Golden-crowned Kinglet, 60; Ruby-crowned Kinglet, 20; Water Pipit, 100; Cedar Waxwing, 124; Loggerhead Shrike, 32; Common Starling, 5398; Myrtle Warbler, 107; Pine Warbler, 41; House Sparrow, 250; Eastern Meadowlark, 116; Red-winged Blackbird, 83; Rusty Blackbird, 11; Purple Grackle, 2; Brown-headed Cowbird, 19; Cardinal, 249; Purple Finch, 62; Pine Siskin, 20; Am. Goldfinch, 206; Eastern Towhee, 45; Savannah Sparrow, 4; Slate-colored Junco, 1523; Chipping Sparrow, 1; Field Sparrow, 338; White-crowned Sparrow, 1; White-throated Sparrow, 626; Fox Sparrow, 10; Swamp Sparrow, 17; Song Sparrow, 202. **Total,** 73 species; 11,993 individuals.—John A. McLeod, Jr., Thomas E. Street (compiler), Dr. Hollis J. Rogers, C. R. Lamb, Hugh L. Medford, Jr., Mrs. W. F. Smyre, Mrs. Robert E. McCoy, Oscar H. Paris, Jr., Mr. and Mrs. George W. Perrett, Mr. and Mrs. G. W. Daniels, Mrs. W. C. and John Carr, Mrs. R. H. Weisner, Etta Schiffman, Ida Mitchell, Mrs. R. D. Douglas, Dr. and Mrs. F. H. McNutt, Mr. and Mrs. F. H. Craft, Dr. and Mrs. A. D. Shaftesbury, Mrs. Edith L. Settan, George A. Smith, Norris G. Grubbs, James R. Mattocks, James W. Furr, Lee Watts.

188. Greenville, N.C. (7½-mile radius, centered on Pitt Memorial Hospital, excluding northeast sector to Pactolus; fields 45%, landscaped lawns 5%, thickets 15%, pine-oak woods 15%, river 10%, cypress-gum swamp 10%).—Dec. 26; 8:15 a.m. to 5 p.m. Clear; temp. 30° to 50°; wind beginning in p.m., W, 8 m.p.h.; ground bare, wet. Four observers in 3 parties. Total party-hours, 9½ (3½ on foot, 6 by car); total party-miles, 185 (7 on foot, 178 by car). Turkey Vulture, 6; Black Vulture, 1; Sparrow Hawk, 3; Bob-white, 16; Killdeer, 10; Mourning Dove, 3; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 1; Blue Jay, 5; Am. Crow, 29; Carolina Chickadee, 3; Tufted Titmouse, 2; Carolina Wren, 6; Mockingbird, 10; Brown Thrasher, 2; Am. Robin, 1; Hermit Thrush, 3; Eastern Bluebird, 44; Ruby-crowned Kinglet, 4; Water Pipit, 2; Loggerhead

Shrike, 28; Common Starling, 32; Myrtle Warbler, 35; Pine Warbler, 5; Palm Warbler, 2; House Sparrow, 37; Eastern Meadowlark, 12; Baltimore Oriole, 4 [no details—Ed.]; Cardinal, 17; Am. Goldfinch, 13; Eastern Towhee, 17; Savannah Sparrow, 100; Slate-colored Junco, 55; Chipping Sparrow, 4; Field Sparrow, 225; White-throated Sparrow, 60; Fox Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 23. **Total,** 41 species; 831 individuals. (Seen in area Dec. 28: Purple Finch, 8.)—Johan Yvette Johnson, Alice A. Jones, Harold C. Jones (compiler), Mrs. Thelma Walker.

189. Linville (Avery Co.), N.C. (west, northeast, east, southeast, and south of town, including Grandfather Mt., Yonahlossee Highway, Blue Ridge Parkway, Grandmother Mt. and Linville Golf Course; altitude 3600-5400 ft.; mixed deciduous and coniferous woodlands 80%, golf course 20%).—Jan. 3; 8:45 a.m. to 5:30 p.m. Considerable cloudiness till 10 a.m. following rain before daybreak, cloudless sky in late p.m.; temp. 31° to 41°; wind NW, 15-50 m.p.h.; ground firm to soft. Total hours, 8¾ (8 on foot, ¾ by car); total miles, 17 (9 on foot, 8 by car). Red-tailed Hawk, 1 (4600 ft.); Red-shouldered Hawk, 2 (3700 ft.); Ruffed Grouse, 1 (3800 ft.); Downy Woodpecker, 1 (3700 ft.); Am. Crow, 1 (4200 ft.); chickadee (sp.), 4 (3700 ft.); Tufted Titmouse, 2 (3700 ft.); White-breasted Nuthatch, 5 (3700-4400 ft.); Red-breasted Nuthatch, 2 (4800 ft.); Brown Creeper, 1 (4750 ft.); Am. Robin, 108 (3700-4750 ft.); House Sparrow, 3 (3600 ft.); Eastern Meadowlark, 10 (3675 ft.); Cardinal, 2 (3700 ft.); Slate-colored (Carolina) Junco, 42 (3700-4750 ft.); Field Sparrow, 2 (3700 ft.); White-throated Sparrow, 5 (3700 ft.); Song Sparrow, 2 (3700 ft.). **Total,** 18 species; 194 individuals. Results adversely affected by terrific wind at high altitude which kept birds under cover. Majority of observations made at lower elevation from midafternoon on, when wind had somewhat abated.—Fred W. Behrend.

190. Mount Olive (Wayne Co.), N.C. (Wooten, Williams, and Brandon farms, Jones' Mill, and residential area of Mt. Olive; open fields 50%, pine woods 10%, mixed pine and deciduous woods 35%, small ponds 5%).—Dec. 26; 7 a.m. to 6 p.m. Partly cloudy to clear; temp. 29° to 52°; wind SW, light; ground frozen until late a.m. One observer. Total hours, 11 (9 on foot, 2 by car); total miles, 36 (9 on foot, 27 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Mallard, 4; Turkey Vulture, 7; Black Vulture, 11; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 6; Sparrow Hawk, 5; Bob-white, 14; Killdeer, 14; Am. Woodcock, 1; Wilson's Snipe, 2; Mourning Dove, 76; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 54; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 3; Red-cockaded Woodpecker, 3; Eastern Phoebe, 8; Blue Jay, 15; Am. Crow, 16; Carolina Chickadee, 25; Tufted Titmouse, 17; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 9; House Wren, 2; Winter Wren, 3; Carolina Wren, 11; Mockingbird, 8; Catbird, 2; Brown Thrasher, 7; Am. Robin, 53; Hermit Thrush, 31; Eastern Bluebird, 45; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 40; Water Pipit, 10; Cedar Waxwing, 32; Loggerhead Shrike, 6; Common Starling, 450 (est.); Orange-crowned Warbler, 1; Myrtle Warbler, 200 (est.); Pine Warbler, 4; Palm Warbler (Western), 1; Common Yellow-throat, 1; House Sparrow, 350 (est.); Eastern Meadowlark, 134; Red-winged Blackbird, 55; Orchard Oriole, 2; Baltimore Oriole, 4 (Both species of oriole frequented the same residential area for several days prior to and after the day of the count; the Baltimore Orioles are 2 males and 2 females in typical plumage; the Orchard Orioles are in the same predominantly yellowish-olive plumage as the ones reported from the identical area in 1945 and 1949—the 1945 bird having been collected.); Brown-headed Cowbird, 10; Cardinal, 28; Am. Goldfinch, 10; Eastern Towhee, 30; Savannah Sparrow, 43; Slate-colored Junco, 400 (est.); Chipping Sparrow, 24; Field Sparrow, 30; White-throated Sparrow, 320 (est.); Fox Sparrow, 14; Swamp Sparrow, 32; Song Sparrow, 195. **Total,** 67 species; about 2925 individuals.—Bob Holmes III.

191. North Wilkesboro, N.C. (fields and woods around North Wilkesboro and Moravian Fall with portions of the Yadkin and Reddies Rivers).—Jan. 2; 8:30 a.m. to 5:30 p.m. Clear; temp. 26° to 60°; wind W. One observer. Total hours, 9; total miles, 14 (6 on foot, 8 by car). Sharp-shinned Hawk, 1; Bob-white, 34 (2 coveys); Mourning Dove, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Eastern Phoebe, 2; Blue Jay, 20; Am. Crow, 5; Carolina Chickadee, 37; Tufted Titmouse, 20; White-breasted Nuthatch, 3; Winter Wren, 3; Carolina Wren, 19; Mockingbird, 14; Am. Robin, 3; Eastern Bluebird, 16; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Common Starling, 19; Myrtle Warbler, 5; House Sparrow, 13; Eastern Meadowlark, 38; Cardinal, 22; Am. Goldfinch, 9; Eastern Towhee, 34; Slate-colored Junco, 55; Field Sparrow, 46; White-throated Sparrow, 99; Fox Sparrow, 10; Swamp Sparrow, 1; Song Sparrow, 50. **Total,** 33 species; 597 individuals. (Seen within 2 weeks were Belted Kingfisher, Red-bellied and Hairy Woodpeckers, Hermit Thrush and White-crowned Sparrow.)—Wendell P. Smith.

192. Pea Island National Wildlife Refuge, Dare Co., N.C. (same area as in 1945 and subsequent counts; open water 50%, salt-marsh pond and shore 30%, sand dunes, and some myrtle bushes 20%).—Jan. 2; 8 a.m. to 5 p.m. Clear; temp. 35° to 50°; wind 1-7 m.p.h. Thirty observers in 3 parties. Total party-hours, 27 (6 on foot, 21 by truck); total party-miles, 45 (5 on foot, 40 by truck). Common Loon, 2; Horned Grebe, 6; Pied-billed Grebe, 30; Gannet, 200; Double-crested Cormorant, 3; Great Blue Heron, 6; Am. Egret, 3; Louisiana Heron, 1; Black-crowned Night Heron, 2; Yellow-crowned Night Heron, 4; Am. Bittern, 6; Whistling Swan,

150; Canada Goose, 2500; Snow Goose, 4000; Mallard, 3; Black Duck, 300; Am. Widgeon, 300; Pintail, 500; Green-winged Teal, 1; Shoveller, 20; Ring-necked Duck, 100; Lesser Scaup (sp.?), 300; Am. Golden-eye, 6; Old-squaw, 6; Surf Scoter, 1; Ruddy Duck, 250; Hooded Merganser, 6; Red-breasted Merganser, 2; Turkey Vulture, 1; Bald Eagle, 4; Marsh Hawk, 30; Pigeon Hawk, 2; Sparrow Hawk, 10; Am. Coot, 500; Killdeer, 25; Wilson's Snipe, 1; Willet, 2; Greater Yellow-legs, 6; Least Sandpiper, 1; Great Black-backed Gull, 50; Herring Gull, 2000; Ring-billed Gull, 100; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Carolina Wren, 3; Long-billed Marsh Wren, 8; Short-billed Marsh Wren, 4; Mockingbird, 1; Catbird, 10; Loggerhead Shrike, 1; Myrtle Warbler, 300; Palm Warbler, 10; Eastern Meadowlark, 100; Red-winged Blackbird, 8; Boat-tailed Grackle, 100; Am. Goldfinch, 6; Savannah Sparrow, 150; Seaside Sparrow, 15; Swamp Sparrow, 8; Song Sparrow, 3. **Total,** 61 species; about 12,172 individuals. —Anne S. Adams, Leon G. Ballance, Gordon H. Brown, Mr. and Mrs. B. R. Chamberlain, B. R. Chamberlain, Jr., Norman Chamberlain, Betty Clark, Phillip Davis, Frank Edgerton III, Hannah T. Fitzgerald, Charlotte Hilton Green, Mrs. A. H. King, Mrs. M. B. Koonce, Harry W. McGalliard, Mr. and Mrs. Fred H. May, Frank Meacham, Ethel McNairy, Sarah Nooe, Robert Overing, H. C. Phillips, T. L. Quay, Lucile Rice, Etta Schiffman, Fannie G. Sutton, Lewis B. Turner, Mrs. Margaret Y. Wall, Mrs. T. V. Walker, Mrs. H. W. Walters (Carolina Bird Club).

193. Raleigh, N.C. (practically same area as previous counts; lakes and small ponds 25%, mixed pine and deciduous woodland 40%, deciduous woodland 20%, open fields 15%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 38° to 55°; calm; ground bare; water open. Twelve observers in 7 parties. Total party-hours, 31 (27 on foot, 4 by car); total party-miles, 57 (27 on foot, 30 by car). Horned Grebe, 2; Pied-billed Grebe, 13; Great Blue Heron, 3; Mallard, 169; Black Duck, 21; Gadwall, 2; Am. Widgeon, 28; Pintail, 5; Green-winged Teal, 8; Shoveller, 2; Redhead, 4; Ring-necked Duck, 129; Greater Scaup, 8; Lesser Scaup, 51; Buffle-head, 2; Ruddy Duck, 16; Hooded Merganser, 11; Turkey Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 12; Am. Coot, 4; Killdeer, 34; Wilson's Snipe, 12; sandpiper (sp.), 1 (Overing); Mourning Dove, 20; Belted Kingfisher, 2; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 11; Eastern Phoebe, 5; Blue Jay, 69; Am. Crow, 16; Carolina Chickadee, 81; Tufted Titmouse, 52; White-breasted Nuthatch, 7; Brown Creeper, 3; Winter Wren, 4; Carolina Wren, 49; Mockingbird, 44; Brown Thrasher, 12; Am. Robin, 1; Hermit Thrush, 4; Eastern Bluebird, 93; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, 9; Cedar Waxwing, 43; Loggerhead Shrike, 12; Common Starling, 5615; Solitary Vireo, 1 (D.L.W.); Myrtle Warbler, 3; Pine Warbler, 6; House Sparrow, 195; Eastern Meadowlark, 70; Brown-headed Cowbird, 150; Cardinal, 58; Purple Finch, 3; Am. Goldfinch, 63; Eastern Towhee, 40; Savannah Sparrow, 32; Vesper Sparrow, 2; Slate-colored Junco, 192; Field Sparrow, 54; White-throated Sparrow, 102; Fox Sparrow, 2; Swamp Sparrow, 27; Song Sparrow, 100. **Total,** 73 species; about 7871 individuals.—David L. Wray, Ethel Wray, John Wray, James F. Greene, Will Hon, Philip Davis, E. W. Winkler, Mrs. E. W. Winkler, John Winkler, F. B. Meacham, Robert Overing, Mrs. Charlotte H. Green.

194. Todd, N.C. (7½-mile radius centering near Todd P.O., along Ashe-Watauga County line, including terrain along S. Fork of New River and Bald Mt. [alt. 2800-3500 ft.]; pasture 60%, plowed land 5%, deciduous farm woodlots 20%, rhododendron thicket 10%, white pine-hemlock forest 5%).—Jan. 3; 8:20 a.m. to 4 p.m. Clear; temp. 24° to 42°; wind NW to SE, 30-40 m.p.h.; ground frozen at higher altitudes, a little ice along stream banks. Five observers in 2 parties. Total party-hours, 37½ (7½ on foot, 30 by car and jeep); total party-miles, 99 (15 on foot, 64 by car, 20 by jeep). Osprey, 1 (J.L.C., J.N.); Sparrow Hawk, 1; Ruffed Grouse, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Eastern Phoebe, 2; Blue Jay, 1; Am. Crow, 26; Carolina Chickadee, 16; Tufted Titmouse, 7; White-breasted Nuthatch, 1; Winter Wren, 5; Carolina Wren, 3; Common Starling, 11; House Sparrow, 54; Cardinal, 19; Eastern Towhee, 6; Vesper Sparrow, 3; Slate-colored Junco, 65; Field Sparrow, 7; Song Sparrow, 6. **Total,** 21 species; 237 individuals.—I. W. Carpenter, J. Leon Coulter, Mrs. A. Burman Hurt (compiler), James Miller, Jack Neal.

195. Wilmington, N.C. (New Hanover and Brunswick counties; 9th count in area; 7½-mile radius centering on Monkey Junction on Carolina Beach Rd. and including Wrightsville Beach and Sound; Masonboro and Greenville sounds; Winter Park; Orton, Pleasant Oaks, and Clarendon plantations; Cape Fear River and Greenfield Lake; mixed pine and deciduous woodland 60%, fresh-water ponds and river 15%, beach and salt marsh 20%, pasture 5%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Cloudy; temp. 41° to 58°; wind NNE, 1½-9 m.p.h.; precipitation 0.02; ground bare; water open. Fifteen observers in 7 parties. Total party-hours, 68½ (45 on foot, 23½ by car); total party-miles, 341 (62 on foot, 279 by car). Common Loon, 32; Red-throated Loon, 3; Horned Grebe, 124; Pied-billed Grebe, 27; Brown Pelican, 3; Gannet, 1; Double-crested Cormorant, 91; Great Blue Heron, 34; Am. Egret, 16; Snowy Egret, 4; Louisiana Heron, 13; Little Blue Heron, 9; Black-crowned Night Heron, 11; Am. Bittern, 1; Whistling Swan, 1; Canada Goose, 1050; Am. Brant, 1 (McAllister); Mallard, 104; Black Duck, 90; Gadwall, 202; European Widgeon, 1 (present since Nov. 6—C.A.); Am. Widgeon, 750; Pintail, 40; Green-winged Teal, 101; Wood Duck, 11; Redhead, 35; Ring-necked Duck, 204; Canvasback, 236; Greater Scaup, 1 (B.J.); Lesser Scaup,

36; Am. Golden-eye, 2; Buffle-head, 181; Old-squaw, 2 (E.A.); White-winged Scoter, 19; Surf Scoter, 20; Am. Scoter, 525; Ruddy Duck, 14; Hooded Merganser, 71; Am. Merganser, 5 (McAllister); Red-breasted Merganser, 208; Turkey Vulture, 1; Black Vulture, 2; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 11; Red-shouldered Hawk, 19; Bald Eagle, 7; Marsh Hawk, 11; Osprey, 2; Peregrine Falcon, 1 (J.F., S.B.); Sparrow Hawk, 20; Bob-white, 34; King Rail, 5; Clapper Rail, 55; Florida Gallinule, 5; Am. Coot, 59; Am. Oyster-catcher, 16; Piping Plover, 2; Ringed Plover, 53; Killdeer, 141; Black-bellied Plover, 99; Ruddy Turnstone, 46; Am. Woodcock, 2; Wilson's Snipe, 50; Greater Yellow-legs, 7; Lesser Yellow-legs, 3 (D.M.); **Pectoral Sandpiper,** 2 (feeding on mud flat in river bay; carefully studied for 10 min. at close range; snipe-like back and streaked breast—S.M.); Least Sandpiper, 25; Red-backed Sandpiper, 64; Dowitcher, 26; Semipalmated Sandpiper, 26; Western Sandpiper, 11; Sanderling, 20; Herring Gull, 382; Ring-billed Gull, 1010; Laughing Gull, 9; Bonaparte's Gull, 27; Gull-billed Tern, 1 (C.C.); Forster's Tern, 25; Common Tern, 8 (J.F., B.H.); Royal Tern, 9; Caspian Tern, 3 (E.A., S.M., S.B.); Black Skimmer, 146; Mourning Dove, 292; Barn Owl, 1; Screech Owl, 1; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 36; Yellow-shafted Flicker, 126; Pileated Woodpecker, 9; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 14; Yellow-bellied Sapsucker, 23; Hairy Woodpecker, 14; Downy Woodpecker, 24; **Red-cockaded Woodpecker,** 24; Eastern Phoebe, 30; Tree Swallow, 12; **Barn Swallow,** 15 (J.F., S.B.); Blue Jay, 155; Am. Crow, 252; Fish Crow, 106; Carolina Chickadee, 127; Tufted Titmouse, 156; Red-breasted Nuthatch, 4 (P.M.); **Brown-headed Nuthatch,** 237; Brown Creeper, 18; House Wren, 17; Winter Wren, 17; Carolina Wren, 111; Long-billed Marsh Wren, 23; Short-billed Marsh Wren, 3; Mockingbird, 72; Catbird, 17; Brown Thrasher, 54; Am. Robin, 674; Hermit Thrush, 99; **Gray-cheeked Thrush,** 1 (seen in river swamp; dull back, lack of rusty color on head or tail, inconspicuous eye-ring and gray patch on cheek all checked—J.F., S.B.); Eastern Bluebird, 131; Blue-gray Gnatcatcher, 25; Golden-crowned Kinglet, 138; Ruby-crowned Kinglet, 63; Water Pipit, 265; Cedar Waxwing, 182; Loggerhead Shrike, 40; Common Starling, 536; White-eyed Vireo, 1 (B.H., C.C.); Solitary Vireo, 1 (P.M.); **Black and White Warbler,** 1 (B.H.); Orange-crowned Warbler, 5 (B.H., S.M.); Myrtle Warbler, 1628; **Yellow-throated Warbler,** 1 (seen at close range in thicket edge—E.A., M.B., S.M.); Pine Warbler, 20; **Prairie Warbler,** 1 (B.H.); Palm Warbler, 4; Common Yellow-throat, 10; House Sparrow, 50; Eastern Meadowlark, 690; Red-winged Blackbird, 8169; Boat-tailed Grackle, 186; Purple Grackle, 26; Brown-headed Cowbird, 66; Cardinal, 119; Purple Finch, 6; Am. Goldfinch, 321; Eastern Towhee, 404; Ipswich Sparrow, 2 (B.H.); Savannah Sparrow, 68; **Henslow's Sparrow,** 21; Sharp-tailed Sparrow, 3; Seaside Sparrow, 4; Vesper Sparrow, 28; **Lark Sparrow,** 3 (seen in short-grass field; observer thoroughly familiar with species—P.M.); Pine-woods Sparrow, 3 (P.M.); Slate-colored Junco, 378; Chipping Sparrow, 152; Field Sparrow, 99; White-throated Sparrow, 985; Fox Sparrow, 29; Swamp Sparrow, 71; Song Sparrow, 246. **Total,** 162 species; about 24,711 individuals. (Seen in area Dec. 27: Green Heron, 1.)—Edna Appleberry (compiler), Cecil Appleberry, Mary Baker, Sam Baker, Jr., Tom Butters, Clifford Comeau, John Funderburg, Bob Holmes III, Bill James, Claude McAllister, Don McAllister, Polly Mebane, Steve Messenger, Mary Urich, Marie Vander Schalie (Wilmington Natural Science Club).

196. Windom, N.C. (same territory as last year except for one additional cove).—Dec. 29; 8 a.m. to 5 p.m. Cloudy; temp. 35° to 50°; wind ESE, 5-15 m.p.h.. Four observers in 2 parties. Total party-hours, 16; total party-miles, 90 (10 on foot, 80 by car). Sharp-shinned Hawk, 8; Cooper's Hawk, 4; Red-tailed Hawk, 4; Sparrow Hawk, 3; Ruffed Grouse, 7; Bob-white, 43; Wilson's Snipe, 5; Mourning Dove, 30; Screech Owl, 3; Belted Kingfisher, 2; Pileated Woodpecker, 5; Red-headed Woodpecker, 5; Downy Woodpecker, 18; Blue Jay, 65; Am. Crow, 110; Black-capped [= Carolina?—Ed.] Chickadee, 5; Tufted Titmouse, 11; Winter Wren, 2; Carolina Wren, 25; Mockingbird, 2; Am. Robin, 23; Hermit Thrush, 12; Eastern Bluebird, 16; Common Starling, 23; House Sparrow, 87; Cardinal, 24; Am. Goldfinch, 47; Eastern Towhee, 2; Slate-colored Junco, 132; Field Sparrow, 66; White-throated Sparrow, 3; Fox Sparrow, 2; Song Sparrow, 23. **Total,** 33 species; 815 individuals.—Paul Hughes, Wade Styles, James Hutchins (compiler), H. Grady Bailey.

197. Winston-Salem, N.C. (7½-mile radius centering on Clemmons and Hawthorne roads and including Salem Lake, Reynolda, Graylyn, Forsyth County Farm, and a short section of Yadkin River; pine forest 20%, deciduous forest 25%, lakes and river bottoms 20%, pasture and fields 15%, suburban parks 20%).—Jan. 2; 6 a.m. to 6 p.m. Clear; temp. 30° to 57°; wind SSE to SSW, 5-20 m.p.h.; still water frozen about ½ inch in a.m. Fourteen observers in 6 parties. Total party-hours, 58 (50 on foot, 8 by car); total party-miles, 201 (31 on foot, 170 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 130; Mallard, 23; Black Duck, 31; scaup (sp.), 1; Hooded Merganser, 1; Turkey Vulture, 17; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Broad-winged Hawk, 1 (M.P.S., W.C. [no further details—Ed.]; Sparrow Hawk, 2; Bob-white, 21; Killdeer, 25; Mourning Dove, 139; Yellow-shafted Flicker, 23; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 3; Downy Woodpecker, 21; Eastern Phoebe, 10; Horned Lark, 100; Blue Jay, 42; Am. Crow, 160; chickadee (sp.), 70; Tufted Titmouse, 33; White-breasted Nuthatch, 26; Brown Creeper, 2; Carolina Wren, 67; Mockingbird, 61; Brown Thrasher, 2; Am. Robin, 110; Hermit Thrush, 1; Eastern Bluebird, 124; Golden-

crowned Kinglet, 28; Ruby-crowned Kinglet, 4; Cedar Waxwing, 46; Loggerhead Shrike, 13; Common Starling, 5000 (est.); Myrtle Warbler, 31; Pine Warbler, 6; House Sparrow, 25; Eastern Meadowlark, 147; Purple Grackle, 37; Cardinal, 118; Purple Finch, 21; Pine Siskin, 15; Am. Goldfinch, 46; Eastern Towhee, 27; Slate-colored Junco, 379; Field Sparrow, 72; White-crowned Sparrow, 12; White-throated Sparrow, 261; Fox Sparrow, 2; Swamp Sparrow, 18; Song Sparrow, 121. **Total,** 60 species; about 7715 individuals.—W. B. Cromer, Mrs. W. S. Ellington, Mr. and Mrs. John Gatewood, Mr. and Mrs. E. B. Kissam (compiler), Dr. and Mrs. T. W. Simpson, Lucia Simpson, Dr. and Mrs. M. P. Spencer, J. L. Stephenson, R. N. White, Mrs. Wortham Wyatt.

198. Aiken, S.C. (same as last year; 6-mile radius centered on Aiken Training Track; pasture, plowed and abandoned fields 26%, mixed pine and hardwood forests 23%, semi-open farmland 18%, burned-out woods 15%, suburbs 10%, swamps and ponds 8%). —Dec. 31; 6:45 a.m. to 6 p.m. Clear; temp. 40° to 55°; wind WNW-NNW, 8-15 m.p.h. One observer. Total hours, 11 (8 on foot, 3 by car); total miles, 43 (8 on foot, 35 by car). Great Blue Heron, 1; Turkey Vulture, 8; Marsh Hawk, 1; Sparrow Hawk, 4; Killdeer, 355 (one flock); Mourning Dove, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 4; Red-cockaded Woodpecker, 7; Eastern Phoebe, 5; Blue Jay, 13; Am. Crow, 14; Carolina Chickadee, 4; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 15; Winter Wren, 3; Carolina Wren, 5; Short-billed Marsh Wren, 1 (closely observed in wet meadow); Mockingbird, 15; Brown Thrasher, 7; Am. Robin, 140 (partly est.); Hermit Thrush, 9; Eastern Bluebird, 29; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 10; Water Pipit, 125+; Cedar Waxwing, 126; Loggerhead Shrike, 5; Common Starling, 250 (est.); Myrtle Warbler, 24; Pine Warbler, 18; Palm Warbler (Western), 8; Common Yellow-throat, 3; House Sparrow, 50; Eastern Meadowlark, 82; Red-winged Blackbird, 125; Cardinal, 39; Purple Finch, 12; Am. Goldfinch, 31; Eastern Towhee, 26; Savannah Sparrow, 25; Vesper Sparrow, 2; Slate-colored Junco, 86; Chipping Sparrow, 37; Field Sparrow, 59; White-throated Sparrow, 142; Fox Sparrow, 5; Swamp Sparrow, 4; Song Sparrow, 17. **Total,** 53 species; about 1989 individuals.—William Post, Jr.

199. Charleston, S.C. (7½-mile radius in Christ Church Parish, Charleston County, S. C., including Fairlawn Plantation and Bull's Island; woodland, marsh, mudflats, beach, open fields).—Dec. 26; 7:45 a.m. to 5 p.m. Clear; temp. 32° to 55°; wind light SW, 6-8 m.p.h. Thirteen observers in 4 parties. Total party-hours, 40 (30 on foot, 9 by car, 1 by boat); total party-miles, 136 (60 on foot, 67 by car, 9 by boat). Common Loon, 1; Red-throated Loon, 1; Horned Grebe, 22; Pied-billed Grebe, 16; Brown Pelican, 1; Gannet, 1; Double-crested Cormorant, 65; Great Blue Heron, 6; Am. Egret, 3; Snowy Egret, 3; Louisiana Heron, 10; Little Blue Heron, 4; Green Heron, 1; Black-crowned Night Heron, 1; Am. Bittern, 1; Canada Goose, 7; Mallard, 127; Black Duck, 500; Gadwall, 78; Am. Widgeon, 28; Pintail, 150; Green-winged Teal, 250; Blue-winged Teal, 7; Shoveller, 100+; Wood Duck, 2; Redhead, 1; Ring-necked Duck, 3; Canvas-back, 2; Lesser Scaup, 1; Buffle-head, 23; Am. Scoter, 300+; Ruddy Duck, 8; Hooded Merganser, 8; Red-breasted Merganser, 16; Turkey Vulture, 13; Black Vulture, 8; Sharp-shinned Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 6; Bald Eagle, 5; Marsh Hawk, 9; Peregrine Falcon, 1; Sparrow Hawk, 8; Bob-white, 4; Turkey, 15; King Rail, 2; Clapper Rail, 12+; Virginia Rail, 1; Florida Gallinule, 9; Am. Coot, 500+; Am. Oyster-catcher, 50; Ringed Plover, 18; Black-bellied Plover, 35; Ruddy Turnstone, 14; Willet, 16; Greater Yellow-legs, 15; Red Knot, 20; Red-backed Sandpiper, 60; Dowitcher, 100+; Semipalmated Sandpiper, 12; Western Sandpiper, 7; Marbled Godwit, 18; Sanderling, 10; Herring Gull, 300+; Ring-billed Gull, 200+; Forster's Tern, 25; Caspian Tern, 1; Black Skimmer, 7; Mourning Dove, 156; Horned Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 13; Pileated Woodpecker, 8; Red-bellied Woodpecker, 27; Yellow-bellied Sapsucker, 18; Hairy Woodpecker, 4; Downy Woodpecker, 12; Red-cockaded Woodpecker, 3; Eastern Phoebe, 11; Tree Swallow, 1; Blue Jay, 31; Am. Crow, 33; Fish Crow, 10; Carolina Chickadee, 6; Tufted Titmouse, 13; Brown-headed Nuthatch, 23; Brown Creeper, 6; House Wren, 1; Winter Wren, 1; Carolina Wren, 16; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 14; Catbird, 3; Brown Thrasher, 6; Am. Robin, 45; Hermit Thrush, 10; Eastern Bluebird, 16; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 22; Cedar Waxwing, 4; Loggerhead Shrike, 4; Common Starling, 34; Solitary Vireo, 3; Black and White Warbler, 1; **Worm-eating Warbler,** 1 (seen at 15 ft.; first winter record for South Carolina); Orange-crowned Warbler, 3; Myrtle Warbler, 100+; Yellow-throated Warbler, 3; Pine Warbler, 48; Palm Warbler, 1; Common Yellow-throat, 1; House Sparrow, 2; Eastern Meadowlark, 26; Red-winged Blackbird, 100+; Rusty Blackbird, 1; Boat-tailed Grackle, 15; Purple Grackle, 24; Cardinal, 48; Am. Goldfinch, 40; Eastern Towhee, 17 (Red-eyed, 16; White-eyed, 1); Savannah Sparrow, 43; Seaside Sparrow, 2; Vesper Sparrow, 14; Slate-colored Junco, 20; Chipping Sparrow, 11; Field Sparrow, 1; White-throated Sparrow, 58; Swamp Sparrow, 26; Song Sparrow, 16. **Total,** 130 species (1 additional subspecies); about 4453 individuals.—Robert L. Edwards, R. D. Edwards, Theodore A. Beckett, I. S. Metcalf, I. S. H. Metcalf, Rock Comstock, Kay Comstock, E. A. Williams, William Coleman, Arthur Wilcox, Alexander Sprunt, Jr. (compiler), John H. Dick, J. B. Schuler.

200. Colleton Neck, S.C. (mainland opposite Pinckney Island back to Colleton River; area approximately 2500 acres, entirely within Foot Point and Hog Bluff plantations, including parts of Topin

Creek, Colleton River from south bank, Chechesse River, and Bear Island; salt-water creeks, marshes, and flats 25%, fresh-water ponds and wooded swamps 20%, pasture, cultivated, and fallow 15%, deciduous woodland 15%, tidal river 15%, pine woodland 10%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Clear; temp. 38° to 57°; wind S-SW, 2-6 m.p.h. One observer. Total hours, 10 (5 on foot, 5 by car); total miles, 53 (5 on foot, 48 by car). Common Loon, 4; Red-throated Loon, 2; Horned Grebe, 110 (100 est., 10); Pied-billed Grebe, 2; Double-crested Cormorant, 2; Great Blue Heron, 5; Am. Egret, 14; Louisiana Heron, 26; Little Blue Heron, 9; Mallard, 42; Black Duck, 32; Green-winged Teal, 2; Blue-winged Teal, 6; Buffle-head, 2; Hooded Merganser, 5; Red-breasted Merganser, 3; Turkey Vulture, 11; Black Vulture, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Clapper Rail, 6; Killdeer, 13; Black-bellied Plover, 44; Willet, 1; Greater Yellow-legs, 2; Red-backed Sandpiper, 1; Ring-billed Gull, 12; Bonaparte's Gull, 14; Forster's Tern, 1; Mourning Dove, 16; Ground Dove, 4; Belted Kingfisher, 6; Yellow-shafted Flicker, 13; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 6; Eastern Phoebe, 5; Tree Swallow, 3; Blue Jay, 12; Am. Crow, 120; Fish Crow, 4; Carolina Chickadee, 8; Tufted Titmouse, 5; Brown-headed Nuthatch, 4; House Wren, 4; Winter Wren, 1; Carolina Wren, 9; Short-billed Marsh Wren, 2; Mockingbird, 6; Brown Thrasher, 1; Am. Robin, 116; Hermit Thrush, 6; Eastern Bluebird, 9; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 10; Water Pipit, 2; Loggerhead Shrike, 3; Solitary Vireo, 1; **Black and White Warbler,** 1 (♀); Orange-crowned Warbler, 4; Myrtle Warbler, 173 (partly est.); Yellow-throated Warbler, 1; Pine Warbler, 2; Palm Warbler, 4 (Western); Common Yellow-throat, 4; Eastern Meadowlark, 46; Red-winged Blackbird, 255 (partly est.); Rusty Blackbird, 7; Boat-tailed Grackle, 313 (300 est., 13); Purple Grackle, 22; Cardinal, 18; Am. Goldfinch, 45; Eastern Towhee, 8; Savannah Sparrow, 1; Vesper Sparrow, 33; Chipping Sparrow, 1; White-throated Sparrow, 26; Fox Sparrow, 1; Swamp Sparrow, 19; Song Sparrow, 22. **Total,** 85 species; about 1784 individuals. (Seen in area Dec. 26: Screech Owl, 1; Dec. 28: Turkey, 4; Spotted Sandpiper, 1; Herring Gull, 1.)—William Post, Jr.

201. Columbia, S.C. (same general area as last year; deciduous river and creek swamps [limited by rains and flooded areas] 15%, pine woods 25%, open fields 30%, lake shores 15%, urban 15%).—Dec. 29; 7 a.m. to 5:30 p.m. Heavy fog with intermittent rain; temp. 45° to 60°; no wind. Twelve observers in 5 parties. Total party-hours, 34 (20 on foot, 14 by car); total party-miles, 90 (14 on foot, 76 by car). Pied-billed Grebe, 8; Great Blue Heron, 3; Canada Goose, 9; Gadwall, 2; Ring-necked Duck, 17; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 10; Bob-white, 25; Am. Coot, 11; Killdeer, 60; Ring-billed Gull, 18; Mourning Dove, 105; Belted Kingfisher, 3; Yellow-shafted Flicker, 39; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 13; Eastern Phoebe, 6; Blue Jay, 118; Am. Crow, 44; Carolina Chickadee, 54; Tufted Titmouse, 33; Brown-headed Nuthatch, 8; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 36; Mockingbird, 40; Brown Thrasher, 39; Am. Robin, 174; Hermit Thrush, 9; Eastern Bluebird, 54; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 31; Water Pipit, 37; Cedar Waxwing, 106; Loggerhead Shrike, 28; Common Starling, 445; Myrtle Warbler, 14; Pine Warbler, 40; Palm Warbler, 4; House Sparrow, 290; Eastern Meadowlark, 247; Red-winged Blackbird, 640; Baltimore Oriole, 1 [no details—Ed.]; Purple Grackle, 87; Brown-headed Cowbird, 1; Cardinal, 143; Purple Finch, 1; Pine Siskin, 2; Am. Goldfinch, 22; Eastern Towhee, 108; Vesper Sparrow, 2; Slate-colored Junco, 74; Am. Tree Sparrow, 1 (J.H.) [no further details—Ed.]; Chipping Sparrow, 87; Field Sparrow, 361; White-crowned Sparrow, 3; White-throated Sparrow, 854; Swamp Sparrow, 1; Song Sparrow, 33. **Total,** 65 species; 4668 individuals.—Mr. and Mrs. P. B. Hendrix, Mrs. S. E. Hartin, Jimmy Hartin, David Monteith, Gilbert J. Bristow (compiler), Mrs. Clyde Sisson, Edward C. Lee, Mr. and Mrs. Edward Kissam, Charles I. Simons, Mrs. J. B. Frazier, Jr.

202. Eastover, S.C. (same area as in preceding years, with the addition of Goodwill Pond).—Jan. 3; 7 a.m. to 6 p.m. Clear; temp. 49° to 65°; wind 6 m.p.h., rising to 15; wind strong, especially over ponds; too warm for migratory ducks. Three observers in 1 party. Total hours, 10 (1 on foot, 9 by car); total miles, 25 (1 on foot, 24 by car). Pied-billed Grebe, 6; Pintail, 1; Ring-necked Duck, 11; Turkey Vulture, 3; Black Vulture, 8; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 10; Am. Coot, 2; Killdeer, 176; Spotted Sandpiper, 5 (Mrs. C.S.); Mourning Dove, 36; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 3; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 2; Eastern Phoebe, 5; Horned Lark (Prairie), 9; Blue Jay, 20; Am. Crow, 12; Carolina Chickadee, 5; Tufted Titmouse, 3; Brown-headed Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 9; Brown Thrasher, 1; Am. Robin, 17; Hermit Thrush, 1; Eastern Bluebird, 22; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Water Pipit, 76; Cedar Waxwing, 12; Loggerhead Shrike, 11; Common Starling, 121; Myrtle Warbler, 17; Pine Warbler, 10; Palm Warbler, 3; House Sparrow, 58; Eastern Meadowlark, 255; Red-winged Blackbird, 17; Rusty Blackbird, 700; Purple Grackle, 13; Brown-headed Cowbird, 6; Cardinal, 24; Purple Finch, 5; Am. Goldfinch, 5; Eastern Towhee, 10; Savannah Sparrow, 70; Vesper Sparrow, 2; Slate-colored Junco, 12; Chipping Sparrow, 21; Field Sparrow, 40; White-throated Sparrow, 45; Swamp Sparrow, 6; Song Sparrow, 5. **Total,** 60 species; 1944 individuals.—Mrs. Clyde Sisson, W. H. Faver, Mrs. W. H. Faver (compiler).

203. Santee National Wildlife Refuge, S.C. (7½-mile radius centering on a point ½ mile east of Davis Crossroads [3½ miles SSE of Summerton] and including the Santee National Wildlife Refuge [Clarendon Co. portion] and vicinity; same area as last year; pasture and open fields 20%, town suburbs 10%, marsh, swamp, and water edge 40%, mixed hardwood and pine forest 30%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 32° to 60°; wind W, 4-7 m.p.h. One observer. Total hours, 10 (6 on foot, 4 by car); total miles, 76 (5 on foot, 71 by car). Pied-billed Grebe, 9; Great Blue Heron, 13; Am. Egret, 16; Am. Bittern, 1; Canada Goose, 660; Mallard, 2350 (2300±100, 50); Black Duck, 54; Gadwall, 1365 (1300±100, 65); Am. Widgeon, 2310 (2200±100, 110); Pintail, 2050 (2000±100, 50); Green-winged Teal, 403; Shoveller, 13; Wood Duck, 2; Redhead, 8; Ring-necked Duck, 425; Bufflehead, 1; Ruddy Duck, 6; Hooded Merganser, 6; Turkey Vulture, 6; Black Vulture, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; Bald Eagle, 2; Marsh Hawk, 9; Sparrow Hawk, 8; Bob-white, 8; Am. Coot, 1275 (1200±100, 75); Killdeer, 15; Wilson's Snipe, 5; Ring-billed Gull, 7; Mourning Dove, 68; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 4; Eastern Phoebe, 6; Blue Jay, 5; Am. Crow, 6; Fish Crow, 12; Carolina Chickadee, 1; Carolina Wren, 2; Mockingbird, 5; Brown Thrasher, 4; Am. Robin, 40; **Gray-cheeked Thrush,** 1 (observed at 30 ft. with 7x glasses; dull gray-brown on head, back and tail, no conspicuous eye-ring; appeared to have slightly gray cheeks); Eastern Bluebird, 4; Ruby-crowned Kinglet, 3; Water Pipit, 2; Loggerhead Shrike, 4; Common Starling, 80; Orange-crowned Warbler, 1; Myrtle Warbler, 16; Pine Warbler, 18; Palm Warbler, 3; Common Yellow-throat, 2; House Sparrow, 32; Eastern Meadowlark, 147; Red-winged Blackbird, 162; Brown-headed Cowbird, 110; Cardinal, 10; Am. Goldfinch, 2; Eastern Towhee, 3; Savannah Sparrow, 11; Slate-colored Junco, 32; Chipping Sparrow, 65; Field Sparrow, 173; White-throated Sparrow, 11; Swamp Sparrow, 13; Song Sparrow, 12. **Total,** 70 species; about 12,120 individuals.—Robert J. Lemaire.

204. Spartanburg, S.C. (7½-mile radius centered on North Fairview Ave., and including Zimmerman Lake area, Pierce Fish pond, Silver Lake area; open farmlands 15%, town suburbs 20%, mixed woodlands 20%, fresh-water lakes, ponds, and marshes 45%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Clear; temp. 30° to 56°; wind ENE, 2 to 5 m.p.h. Twelve observers in 3 parties. Total party-hours, 35 (30 on foot, 5 by car); total party-miles, 56 (8 on foot, 48 by car). Pied-billed Grebe, 11; Great Blue Heron, 1; Lesser Scaup, 16; Ruddy Duck, 2; Turkey Vulture, 22; Black Vulture, 17; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 1; Killdeer, 63; Mourning Dove, 305; Belted Kingfisher, 1; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 6; Eastern Phoebe, 3; Blue Jay, 33; Am. Crow, 115; Carolina Chickadee, 16; Tufted Titmouse, 12; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 7; Carolina Wren, 24; Mockingbird, 22; Brown Thrasher, 2; Am. Robin, 103; Hermit Thrush, 3; Eastern Bluebird, 37; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 14; Water Pipit, 68; Cedar Waxwing, 15; Loggerhead Shrike, 18; Common Starling, 167; Myrtle Warbler, 12; Pine Warbler, 14; House Sparrow, 45; Eastern Meadowlark, 183; Red-winged Blackbird, 23; Rusty Blackbird, 10; Cardinal, 31; Purple Finch, 5; Am. Goldfinch, 87; Eastern Towhee, 8; Savannah Sparrow, 4; Slate-colored Junco, 96; Field Sparrow, 48; White-throated Sparrow, 32; Fox Sparrow, 1; Swamp Sparrow, 10; Song Sparrow, 30. **Total,** 53 species; 1798 individuals.—Gabriel Cannon, Louisa Carlisle, Ruth Crick (compiler), Harold Correll, Paul Crosby, Flora Beymer, Margaret Hammond, Rudy Johnstone, Tucker McCravy, Hearon McCravy, Dr. and Mrs. J. O. Watkins.

205. Atlanta, Ga. (Lake Phoebe, Chattahoochee River, South River, Eastlake, Emory University campus, Candler estate, West End, and areas between; cultivated and abandoned fields 20%, pond and stream 20%, parks 10%, mixed woods 35%, marsh 5%, residential 5%, roadside 5%).—Dec. 27; 7 a.m. to 5:30 p.m. Partly cloudy to clear; temp. 30° to 50°; wind 0-10 m.p.h. Twenty-six observers in 12 parties. Total party-hours, 87 (78 on foot, 9 by car), total party-miles, 204 (60 on foot, 144 by car). Pied-billed Grebe, 22; Mallard, 1; Wood Duck, 1; Ring-necked Duck, 4; Turkey Vulture, 5; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 16; Bob-white, 19; Am. Coot, 3; Killdeer, 222; Wilson's Snipe, 2; Mourning Dove, 106; Screech Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 49; Pileated Woodpecker, 6; Red-bellied Woodpecker, 54; Red-headed Woodpecker, 14; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 7; Downy Woodpecker, 48; Eastern Phoebe, 8; Blue Jay, 275; Am. Crow, 205; Carolina Chickadee, 171; Tufted Titmouse, 119; White-breasted Nuthatch, 45; Brown-headed Nuthatch, 26; Brown Creeper, 15; House Wren, 1; Winter Wren, 15; Bewick's Wren, 2; Carolina Wren, 105; Mockingbird, 114; Catbird, 1; Brown Thrasher, 25; Am. Robin, 256; Hermit Thrush, 13; Eastern Bluebird, 194; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 53; Water Pipit, 221; Cedar Waxwing, 264; Loggerhead Shrike, 14; Common Starling, 1170; **Black and White Warbler,** 1 (R.B.G. and party); Myrtle Warbler, 40; Pine Warbler, 13; Palm Warbler, 1; Common Yellow-throat, 3; House Sparrow, 168; Eastern Meadowlark, 274; Red-winged Blackbird, 7173; Rusty Blackbird, 60; Purple Grackle, 8990; Brown-headed Cowbird, 89; Cardinal, 264; Purple Finch, 53; Pine Siskin, 22; Am. Goldfinch, 273; Eastern Towhee, 188; Savannah Sparrow, 18; Vesper Sparrow, 25; Slate-colored Junco, 400; Chipping Sparrow, 77; Field Sparrow, 567; White-throated Sparrow, 1015; Fox Sparrow, 44; Swamp Sparrow, 98; Song Sparrow, 384. **Total,** 74 species; about 24,213 individuals.—

Orpha Baber, George Beal, Rev. V. Becker, Glenn W. Bell, W. D. Burbanck, Ed Collum, Tom Collum, A. C. Cowles, Norman H. Giles, Jr., R. B. Godwin, Mrs. Lewis Gordon, W. W. Griffin, Mr. and Mrs. H. M. Herreman, Manilla Land, Harold S. Peters, Mary Phillips, Ralph L. Ramsey (compiler), Mrs. Marene Snow, Mr. and Mrs. F. M. Stafford, Mr. and Mrs. J. M. Smith, Ray C. Werner, Carter Whittaker, Mrs. May Woody (Atlanta Bird Club).

206. Augusta, Ga. (Lakemont area, brickyard ponds and vicinity, Municipal Airport and nearby river swamp; town suburbs 10%, mixed pine and hardwoods 20%, ponds and dikes 40%, hay fields, pastures, and airport 20%, river swamp 10%).—Jan. 1; 6:30 a.m. to 5:30 p.m. Clear; temp. 32° to 50°; wind SW, 0-12 m.p.h. Two observers together in a.m., 3 in p.m. Total hours, 11 (8 on foot, 3 by car); total party-miles, 35 (7 on foot, 28 by car). Pied-billed Grebe, 14; Great Blue Heron, 2; Mallard, 6; Green-winged Teal, 2; Ring-necked Duck, 68; Canvas-back, 3; Lesser Scaup, 2; Turkey Vulture, 5; Black Vulture, 7; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Marsh Hawk, 5; Sparrow Hawk, 6; Florida Gallinule, 1 (may have been injured—P.W.S.); Am. Coot, 157; Killdeer, 66; Wilson's Snipe, 1; Mourning Dove, 6; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 2; Eastern Phoebe, 5; Horned Lark, 87; Blue Jay, 14; Am. Crow, 5; Carolina Chickadee, 8; Tufted Titmouse, 3; Brown-headed Nuthatch, 2; Brown Creeper, 3; Carolina Wren, 6; Mockingbird, 11; Brown Thrasher, 6; Am. Robin, 6079 (partly est.); Hermit Thrush, 5; Eastern Bluebird, 17; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 23; Water Pipit, 10; Cedar Waxwing, 300 (est.); Loggerhead Shrike, 14; Common Starling, 1500 (est.); Black and White Warbler, 1 (seen by all 3 observers at 10 ft.); Orange-crowned Warbler, 1; Myrtle Warbler, 8; Pine Warbler, 1; Common Yellow-throat, 8; House Sparrow, 18; Eastern Meadowlark, 101; Red-winged Blackbird, 38; Cardinal, 16; Purple Finch, 10; Am. Goldfinch, 18; Eastern Towhee, 18; Savannah Sparrow, 3; Vesper Sparrow, 3; Slate-colored Junco, 8; Field Sparrow, 32; White-throated Sparrow, 32; Swamp Sparrow, 18; Song Sparrow, 35; **Lapland Longspur,** 1 (seen in perfect light at 40 ft. feeding at airport with Horned Larks; 2 birds were seen at same spot during winter of 1952-53). **Total,** 64 species; about 8867 individuals. (Seen in area Dec. 31: Wood Duck, 3; Pileated Woodpecker, 2; Bewick's Wren, 1; Catbird, 1; Fox Sparrow, 2.)—Mr. and Mrs. Paul W. Schwalbe, J. Fred Denton (compiler).

207. Dalton, Ga. (from lake 1 mile southwest of courthouse in Dalton to Lake Frances and Prater's Mill 13 miles northeast of Dalton, including Tyler farm and lake, Tibbs farm and pond, Puryear lake, and Tunnel Hill; small lakes 45%, pasture 25%, woodland 15%, town suburbs 15%).—Jan. 3; 7:20 a.m. to 5:15 p.m. Clear; temp. 47° to 70° to 52°; wind NE, 0-10 m.p.h. Seven observers in 1 party. Total hours, 32 (20 on foot, 12 by car); total miles, 54 (5 on foot, 49 by car). Pied-billed Grebe, 2; Lesser Scaup, 5; Turkey Vulture, 10; Red-tailed Hawk, 1; Sparrow Hawk, 2; Killdeer, 7; Wilson's Snipe, 1; Mourning Dove, 8; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 2; Blue Jay, 18; Am. Crow, 32; Carolina Chickadee, 8; Tufted Titmouse, 13; White-breasted Nuthatch, 2; Carolina Wren, 12; Mockingbird, 3; Am. Robin, 52; Eastern Bluebird, 47; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 4; Cedar Waxwing, 88; Loggerhead Shrike, 8; Common Starling, 156; Myrtle Warbler, 1; Pine Warbler, 2; House Sparrow, 42; Eastern Meadowlark, 60; Cardinal, 21; Purple Finch, 5; Am. Goldfinch, 14; Eastern Towhee, 7; Slate-colored Junco, 35; Field Sparrow, 25; White-throated Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 8. **Total,** 41 species; 742 individuals.—Tom and Ed Collum, Mr. and Mrs. Frank DiGiora, Douglas Puryear, David Robinson, Mrs. R. E. Hamilton (compiler).

208. Macon, Ga. (7½-mile radius centering at Courthouse, and including Warner Robins area; pasture 45%, deciduous woods 48%, lakes 7%).—Dec. 26; 7:30 a.m. to 6 p.m. Clear; temp. 28° to 50°; wind W, 8-10 m.p.h. Ten observers in 4 parties. Total party-hours, 31 (28 on foot, 3 by car); total party-miles, 28 (12 on foot, 16 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Lesser Scaup, 3; Turkey Vulture, 16; Black Vulture, 16; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 8; Bob-white, 4; Killdeer, 10; Wilson's Snipe, 3; Mourning Dove, 7; Belted Kingfisher, 6; Yellow-shafted Flicker, 35; Pileated Woodpecker, 4; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 12; Eastern Phoebe, 13; Blue Jay, 76; Am. Crow, 45; Carolina Chickadee, 17; Tufted Titmouse, 16; Brown-headed Nuthatch, 1; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 29; Mockingbird, 30; Brown Thrasher, 13; Am. Robin, 143; Hermit Thrush, 10; Eastern Bluebird, 50; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 22; Water Pipit, 50; Cedar Waxwing, 17; Loggerhead Shrike, 7; Common Starling, 21; Myrtle Warbler, 10; Pine Warbler, 12; House Sparrow, 37; Eastern Meadowlark, 82; Red-winged Blackbird, 51; Brown-headed Cowbird, 20; Cardinal, 75; Purple Finch, 4; Am. Goldfinch, 50; Eastern Towhee, 26; Savannah Sparrow, 10; Vesper Sparrow, 2; Slate-colored Junco, 32; Chipping Sparrow, 15; Field Sparrow, 85; White-throated Sparrow, 123; Fox Sparrow, 2; Swamp Sparrow, 10; Song Sparrow, 34. **Total,** 60 species; 1406 individuals.—T. P. Haines, W. E. Farrar (compiler), Mr. and Mrs. Thomas J. Cater, Mrs. M. M. Grubbs, Mr. and Mrs. G. G. Rohwer, Sievert Rohwer, Mr. and Mrs. Lewis H. Mounts.

209. Sherwood and Birdsong Plantations (Grady Co.), Ga. (same area as past 15 years).—Dec. 28; 6 a.m. to 6:30 p.m. Partly cloudy; temp.

42° to 60°; wind E, 0-5 m.p.h.; light drizzle in early p.m. One observer. Total hours, 12½ (11 on foot, 1½ by car); total miles, 22 (6 on foot, 16 by car). Canada Goose, 52; Mallard, 11; Wood Duck, 20 (est.); Ring-necked Duck, 32; Turkey Vulture, 5; Black Vulture, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 110 (8 coveys); Turkey, 2; Killdeer, 31; Wilson's Snipe, 2; Ground Dove, 2; Mourning Dove, 170 (est.); Screech Owl, 1; Horned Owl, 4; Barred Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 55; Pileated Woodpecker, 9; Red-bellied Woodpecker, 20; Yellow-bellied Sapsucker, 9; Downy Woodpecker, 4; Eastern Phoebe, 4; Blue Jay, 18; Am. Crow, 27; Carolina Chickadee, 7; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 1; Brown Creeper, 1; House Wren, 3; Winter Wren, 2; Carolina Wren, 7; Mockingbird, 13; Brown Thrasher, 13; Am. Robin, 207 (est.); Hermit Thrush, 18; Eastern Bluebird, 57; Ruby-crowned Kinglet, 22; Loggerhead Shrike, 2; Common Starling, 195; White-eyed Vireo, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 32; Yellow-throated Warbler, 1; Pine Warbler, 61 (est.); Palm Warbler, 10; Common Yellow-throat, 4; House Sparrow, 20; Eastern Meadowlark, 68; Red-winged Blackbird, 74; Purple Grackle, 7; Brown-headed Cowbird, 1; Cardinal, 40; Purple Finch, 7; Am. Goldfinch, 7; Eastern Towhee, 14; Savannah Sparrow, 7; Vesper Sparrow, 98; Pine-woods Sparrow, 1; Slate-colored Junco, 11; Chipping Sparrow, 187 (est.); Field Sparrow, 11; White-throated Sparrow, 55; Fox Sparrow, 1; Swamp Sparrow, 19; Song Sparrow, 15. **Total,** 70 species; about 1921 individuals. (See in area Dec. 27: Hairy Woodpecker, 1; Am. Woodcock, 1.)—Herbert L. Stoddard, Sr.

210. Cedar Key, Fla. (coast to 4 miles northeast of Sumner; pine flatwoods 20%, sand pine scrub 5%, hammock [bordering salt marsh] 10%, hammock [inland] 20%, salt marsh and mud flats 45%). —Dec. 29; 7 a.m. to 9 p.m. Heavy mist, poor visibility; temp. 60° to 65°; wind SE, 0-3 m.p.h.; overcast during entire count, considerable water in woods. Three observers in 1 party. Total hours, 14 (12 on foot, 2 by car); total miles, 63 (33 on foot, 30 by car). Common Loon, 5; Horned Grebe, 5; Pied-billed Grebe, 6; Brown Pelican, 8; Double-crested Cormorant, 10; Great Blue Heron, 6; Am. Egret, 5; Snowy Egret, 3; Louisiana Heron, 2; Little Blue Heron, 4; Black-crowned Night Heron, 5; Yellow-crowned Night Heron, 2; Black Duck, 2; Wood Duck, 7; Redhead, 50 (est.); Canvas-back, 15; Greater Scaup, 5; Lesser Scaup, 2500 (est.); **Surf Scoter,** 1; Ruddy Duck, 5; Red-breasted Merganser, 50; Turkey Vulture, 2; Black Vulture, 2; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 8; Bob-white, 5; Clapper Rail, 2; Ringed Plover, 7; Killdeer, 25; Black-bellied Plover, 5; Ruddy Turnstone, 1; Wilson's Snipe, 1; Spotted Sandpiper, 4; Willet, 5; Lesser Yellow-legs, 1; Least Sandpiper, 100 (est.); Red-backed Sandpiper, 80; Dowitcher, 45; Semipalmated Sandpiper, 2; Herring Gull, 50; Ring-billed Gull, 120; Laughing Gull, 5; Bonaparte's Gull, 1; Forster's Tern, 3; Royal Tern, 10; Black Skimmer, 8; Mourning Dove, 3; Ground Dove, 4; Barred Owl, 3; Belted Kingfisher, 25; Yellow-shafted Flicker, 10; Pileated Woodpecker, 3; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 16; Blue Jay, 21; **Scrub Jay,** 4; Am. Crow, 21; Fish Crow, 1; Carolina Chickadee, 6; Tufted Titmouse, 4; Brown-headed Nuthatch, 4; House Wren, 5; Carolina Wren, 10; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 53; Catbird, 11; Brown Thrasher, 5; Am. Robin, 500 (est.); Hermit Thrush, 2; Eastern Bluebird, 30; Blue-gray Gnatcatcher, 4; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 58; Loggerhead Shrike, 2; White-eyed Vireo, 5; Solitary Vireo, 2; Orange-crowned Warbler, 5; Myrtle Warbler, 600 (est.); Yellow-throated Warbler, 3; Pine Warbler, 6; Palm Warbler, 10; Common Yellow-throat, 15; House Sparrow, 10; Eastern Meadowlark, 16; Red-winged Blackbird, 1000 (est.); Cardinal, 73; Am. Goldfinch, 30; Eastern Towhee, 50; Savannah Sparrow, 10; Sharp-tailed Sparrow, 1; Pine-woods Sparrow, 3; Field Sparrow, 17; White-throated Sparrow, 1; Swamp Sparrow, 10; Song Sparrow, 25. **Total,** 102 species; about 5910 individuals.—John V. Dennis, Dorothy Fickett, Steve B. Fickett, Jr. (compiler).

211. Cocoa, Fla. (diameter from ocean across Banana and Indian rivers through Cocoa to Lake Poinsett; pine woods 46%, tidal estuaries 24%, towns and citrus groves 9%, prairie 8%, fresh water and marshes 7%, salt marshes and mangrove 3%, ocean, etc. 3%).—Dec. 27; 5:20 a.m. to 7:30 p.m. Clear, calm, ideal birding weather; temp. 47° to 75°; wind N, maximum 5 m.p.h.; area more thoroughly covered than in previous years; water table very high. Seven observers in 4 parties. Total party-hours, 48 (36 on foot, 12 by car, jeep and boat); total party-miles, 280 (30 on foot, 250 by car, jeep and boat). Common Loon, 9; Horned Grebe, 52; Pied-billed Grebe, 75; Brown Pelican, 500; Gannet, 1; Double-crested Cormorant, 550; Water-turkey, 6; **Man-o'-war-bird,** 3; Great Blue Heron, 74; Am. Egret, 85; Snowy Egret, 130; Louisiana Heron, 82; Little Blue Heron, 70; Green Heron, 16; Black-crowned Night Heron, 41; Am. Bittern, 5; Least Bittern, 1; Wood Ibis, 35; **Glossy Ibis,** 48; White Ibis, 1600; Mallard, 5; Black Duck, 1; Mottled Duck, 10; Gadwall, 9; Am. Widgeon, 200; Pintail, 500; Green-winged Teal, 11; Blue-winged Teal, 200; Shoveller, 34; Redhead, 30; Ring-necked Duck, 22; Canvas-back, 2; Lesser Scaup, 6000; **Old-squaw,** 1 (2 seen 6 days in Dec.); Ruddy Duck, 1; Red-breasted Merganser, 22; Turkey Vulture, 75; Black Vulture, 26; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Bald Eagle, 7 (2 nests); Marsh Hawk, 44; Osprey, 3; Pigeon Hawk, 1; Sparrow Hawk, 60; Bob-white, 13; Sandhill Crane, 10; King Rail, 32; Clapper Rail, 4; Virginia Rail, 3; Sora, 34; Florida Gallinule, 23; Am. Coot, 1200; Piping Plover, 15; Ringed Plover, 30; Wilson's Plover, 1;

Killdeer, 200; Black-bellied Plover, 62; Ruddy Turnstone, 68; Wilson's Snipe, 33; Spotted Sandpiper, 14; Willet, 1; Greater Yellow-legs, 85; Lesser Yellow-legs, 100; Red Knot, 4; Least Sandpiper, 46; Red-backed Sandpiper, 200; Dowitcher, 20; Semipalmated Sandpiper, 80; Western Sandpiper, 6; Marbled Godwit, 3; Sanderling, 200; **Am. Avocet,** 16 (A.D.C., H.G.C.); **Parasitic Jaeger,** 1 (seen 3 days in Dec.); Herring Gull, 62 (all immature); Ring-billed Gull, 500; Laughing Gull, 44; Bonaparte's Gull, 47; Forster's Tern, 34; Royal Tern, 100; Cabot's Tern, 8; Caspian Tern, 38; Black Skimmer, 400; Mourning Dove, 69; Ground Dove, 46; Barn Owl, 3; Screech Owl, 8; Horned Owl, 5; **Short-eared Owl,** 1; Belted Kingfisher, 62; Yellow-shafted Flicker, 33; Pileated Woodpecker, 6; Red-bellied Woodpecker, 44; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 5; Red-cockaded Woodpecker, 3; Eastern Phoebe, 69; Tree Swallow, 5000; Blue Jay, 34; Scrub Jay, 12; Am. Crow, 4; Fish Crow, 500; Brown-headed Nuthatch, 3; House Wren, 42; Carolina Wren, 15; Long-billed Marsh Wren, 20; Short-billed Marsh Wren, 4; Mockingbird, 100; Catbird, 29; Brown Thrasher, 1; Am. Robin, 800; **Hermit Thrush,** 1 (seen regularly for 2 weeks); Eastern Bluebird, 72; Blue-gray Gnatcatcher, 25; Ruby-crowned Kinglet, 22; Water Pipit, 55; Cedar Waxwing, 3; Loggerhead Shrike, 62; **Common Starling,** 32 (seen coming out of blackbird roost by 2 parties); White-eyed Vireo, 1; Orange-crowned Warbler, 5; Parula Warbler, 1; Myrtle Warbler, 380; Yellow-throated Warbler, 5; Pine Warbler, 21; Prairie Warbler, 3; Palm Warbler, 210 (only 3 Yellow Palms identified); Common Yellow-throat, 58; House Sparrow, 47; Eastern Meadowlark, 82; Red-winged Blackbird, 600; Boat-tailed Grackle, 300; Purple Grackle, 22; Brown-headed Cowbird, 8; Cardinal, 64; **Painted Bunting,** 2 (at feeding station all month); Am. Goldfinch, 23; Eastern Towhee, 43 (mostly White-eyed); Savannah Sparrow, 120; Sharp-tailed Sparrow, 4; Vesper Sparrow, 4; Pine-woods Sparrow, 1; Chipping Sparrow, 17; Swamp Sparrow, 86; Song Sparrow, 4. **Total,** 147 species (2 additional subspecies); more than 23,703 individuals. In addition over 6000 ducks and shorebirds too distant for identification.—Allan D. Cruickshank (compiler), Helen G. Cruickshank, Samuel A. Harper, Joseph C. Howell, Mr. and Mrs. William O. Lewis, Foster W. White.

212. **Coot Bay—Everglades National Park, Fla.** (same circle but unable to visit Dildo and Sandy keys; mangrove 10%, hammock 34%, salt prairie 30%, lakes, bays, and canals 24%, beach 2%).—Jan. 2; 6 a.m. to 6:45 p.m. Clear to overcast; temp. 67° to 77°; wind SE, average 9 m.p.h. Twenty-six observers in 11 parties. Total party-hours, 102 (60 on foot, 9 by car, 33 by boat); total party-miles, 154 (56 on foot, 16 by car, 82 by boat). Common Loon, 5; Pied-billed Grebe, 33; White Pelican, 672; Brown Pelican, 178; Double-crested Cormorant, 499; Water-turkey, 48; Man-o'-war-bird, 3; Great White Heron, 21; Great Blue Heron, 145; Am. Egret, 375; Snowy Egret, 3164 (2500 est., 664); Reddish Egret, 8; Louisiana Heron, 526; Little Blue Heron, 396; Green Heron, 126; Black-crowned Night Heron, 171; Yellow-crowned Night Heron, 21; Am. Bittern, 1; Wood Ibis, 160; White Ibis, 995; Roseate Spoonbill, 141; **Am. Flamingo,** 1 (species present in Cape Sable area for past 4 yrs.—C.T.H.); Mallard, 1; Mottled Duck, 134; Am. Widgeon, 40; Pintail, 547; Green-winged Teal, 34; Blue-winged Teal, 1179; Shoveller, 828; Redhead, 2; Ring-necked Duck, 15; Canvas-back, 3; Lesser Scaup, 3132 (3000 est., 132); Ruddy Duck, 187; Red-breasted Merganser, 141; Turkey Vulture, 247; Black Vulture, 15; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 51; Broad-winged Hawk, 3; Bald Eagle, 18; Marsh Hawk, 52; Osprey, 34; Peregrine Falcon, 6; Pigeon Hawk, 2; Sparrow Hawk, 29; Limpkin, 2; King Rail, 1; Clapper Rail, 1; Sora, 1; Florida Gallinule, 4; Am. Coot, 10,055 (10,000 est., 55); Wilson's Plover, 16; Killdeer, 394; Black-bellied Plover, 163; Ruddy Turnstone, 9; **Long-billed Curlew,** 2 (C.T.H.); **Hudsonian Curlew,** 10 (both curlew species observed together; comparisons in bill and body size easily noted—C.T.H.); Spotted Sandpiper, 25; Solitary Sandpiper, 1; Willet, 566; Greater Yellow-legs, 1216 (1000 est., 216); Lesser Yellow-legs, 2337 (2000 est., 337); Red Knot, 3; Least Sandpiper, 180; Red-backed Sandpiper, 7645; Dowitcher, 612; **Stilt Sandpiper,** 2 (C.M.B.) [no further details—Ed.]; Semipalmated Sandpiper, 703; Western Sandpiper, 70; Marbled Godwit, 9; Sanderling, 3; Herring Gull, 7; Ring-billed Gull, 274; Laughing Gull, 490; Bonaparte's Gull, 8; Gull-billed Tern, 9; Forster's Tern, 192; Royal Tern, 29; Cabot's Tern, 3; Caspian Tern, 69; Black Skimmer, 486; Mourning Dove, 4; Ground Dove, 22; Barn Owl, 9; Screech Owl, 1; Barred Owl, 5; Short-eared Owl, 1; Whip-poor-will, 1; Ruby-throated Hummingbird, 11; Belted Kingfisher, 126; Yellow-shafted Flicker, 12; Pileated Woodpecker, 3; Red-bellied Woodpecker, 40; Yellow-bellied Sapsucker, 3; Crested Flycatcher, 41; Eastern Phoebe, 54; Am. Crow, 138; House Wren, 30; Carolina Wren, 9; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 3; Mockingbird, 59; Catbird, 42; Am. Robin, 112; Blue-gray Gnatcatcher, 230; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; White-eyed Vireo, 22; Solitary Vireo, 7; Yellow-throated Vireo, 1 (F.E.O'B.); Black and White Warbler, 10; Orange-crowned Warbler, 13; Parula Warbler, 7; **Cape May Warbler,** 1 (several winter records; bird heavily streaked below—H.P.B.); Myrtle Warbler, 37; **Black-throated Gray Warbler,** 1 (species wintering in Miami area—Mrs. R.N.D.); Black-throated Green Warbler, 1; Yellow-throated Warbler, 5; Prairie Warbler, 23; Palm Warbler, 134; Northern Water-thrush, 2; Common Yellow-throat, 114; Yellow-breasted Chat, 1; Eastern Meadowlark, 51; Red-winged Blackbird, 514; Baltimore Oriole, 1; Boat-tailed Grackle, 23; Purple Grackle, 25; Cardinal, 41; Painted Bunting, 12; Am. Goldfinch, 54; Eastern Towhee, 3; Savannah Sparrow, 77; Grasshopper Sparrow, 66; Sharp-tailed Sparrow, 6; Chipping Sparrow, 2; Swamp Sparrow, 36. **Total,** 139 species; about 42,238 individuals.—Ted Allen, William G. Atwater, Henry P. Bennett (compiler), C. V. "Major" Bowes, Charles M.

Brookfield, Mrs. Frank Cox, Mrs. Roy N. Dickie, Mr. and Mrs. C. T. Hotchkiss, David O. Karraker, Ben J. Kincaid, Sr., Anne Labastille, David Lupton, Ralph Maxwell, Mrs. Eugene Miles, Helen Norteman, Mrs. Flora E. O'Brien, Dennis Paulson, Edward P. Rowell, Ruby Ruettger, Rhea Smith, William Stanton, Louis A. Stimson, Mr. and Mrs. William H. Wagoner, Jr., William Wylie.

213. Daytona Beach (Volusia Co.), Fla. (7½-mile radius centering on southwest corner of Section 28, Range 30 east, Township 15 south; north to north limits of Daytona Beach, south to Spruce Creek, west to fire tower on U.S. 92, and east as far as we could see over the Atlantic Ocean; beach and dune 20%, salt marsh 12%, fresh-water marsh 3%, pasture 6%, pine-palmetto flatwoods 26%, deciduous forests 10%, residential areas 10%, plowed land 2%, sand bars in Halifax River 6% [5% = ? —Ed.]).—Dec. 28; 6:30 a.m. to 6 p.m. Clear to partly cloudy with some haze; temp. 58° to 75°; wind ENE to ESE, 0-8 m.p.h. Fourteen observers in 5 parties. Total party-hours, 43¼ (15 on foot, 28¼ by car); total party-miles, 189 (20 on foot, 169 by car). Common Loon, 3; Horned Grebe, 11; Pied-billed Grebe, 17; Brown Pelican, 340; Gannet, 1; Double-crested Cormorant, 521; Water-turkey, 1; Great Blue Heron, 19; Am. Egret, 81; Snowy Egret, 27; Louisiana Heron, 111; Little Blue Heron, 132; Green Heron, 1; Black-crowned Night Heron, 2; Mallard, 2; Blue-winged Teal, 3; Lesser Scaup, 270; Ruddy Duck, 8; Red-breasted Merganser, 29; Turkey Vulture, 30; Black Vulture, 74; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 2; Marsh Hawk, 4; Osprey, 5; Sparrow Hawk, 43; Clapper Rail, 2; Florida Gallinule, 1; Am. Coot, 5; Piping Plover, 4; Ringed Plover, 7; Killdeer, 70; Black-bellied Plover, 113; Ruddy Turnstone, 167; Wilson's Snipe, 3; Spotted Sandpiper, 4; Willet, 1; Red Knot, 7; Red-backed Sandpiper, 5; Dowitcher, 4; Semipalmated Sandpiper, 23; Western Sandpiper, 5; Sanderling, 360; Herring Gull, 501; Ring-billed Gull, 3666; Laughing Gull, 234; Bonaparte's Gull, 386; Forster's Tern, 210; Common Tern, 26; Royal Tern, 584; Caspian Tern, 50; Black Skimmer, 211; Mourning Dove, 179; Ground Dove, 79; Belted Kingfisher, 21; Yellow-shafted Flicker, 22; Pileated Woodpecker, 3; Red-bellied Woodpecker, 34; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 68; Tree Swallow, 110; Blue Jay, 46; Scrub Jay, 17; Am. Crow, 157; Fish Crow, 375; Tufted Titmouse, 4; Brown-headed Nuthatch, 1; House Wren, 44; Carolina Wren, 15; Mockingbird, 210; Catbird, 36; Brown Thrasher, 4; Am. Robin, 1153; Hermit Thrush, 1; Eastern Bluebird, 53; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 33; Water Pipit, 151; Cedar Waxwing, 55; Loggerhead Shrike, 42; Common Starling, 110; White-eyed Vireo, 2; Solitary Vireo, 1; Parula Warbler, 1; Myrtle Warbler, 451; Yellow-throated Warbler, 5; Prairie Warbler, 1; Palm Warbler (Western), 205; Common Yellow-throat, 18; House Sparrow, 30; Eastern Meadowlark, 39; Red-winged Blackbird, 182; Rusty Blackbird, 50; Boat-tailed Grackle, 25; Purple Grackle, 2; Brown-headed Cowbird, 4; Cardinal, 107; Painted Bunting, 1; Am. Goldfinch, 40; Eastern Towhee, 34; Savannah Sparrow, 48; Chipping Sparrow, 25; Field Sparrow, 8; White-throated Sparrow, 39; Swamp Sparrow, 4; Song Sparrow, 15. **Total,** 109 species; 12,761 individuals. (Heard in area Dec. 29: Screech Owl, 1.)—Mrs. J. C. Killian, Fred Ackerman, Mr. and Mrs. C. H. Ekdahl, Mrs. Rose Block, Mabel Rogers, Mrs. Garrelt Bakker, Dr. Ruth Rogers, Kenneth Hunter, Elizabeth Ball, Frank S. James, Mr. and Mrs. Millard C. Kent, Dennis E. Miller (compiler).

214. Eustis, Fla. (Junietta Lake and eastern shore of Lake Eustis from Tavares to Eustis; lake shores 60%, small pine-cypress swamps 25%, palmetto scrub 10%, edges of citrus groves 5%).—Dec. 30; 7 a.m. to 5:45 p.m. Light fog clearing by 8 a.m., visibility 3 mi. increasing to 15 mi.; clear most of day with broken cumulus after 4:30 p.m.; temp. 62° to 78°; wind SW, 1-7 m.p.h. Observer alone. Total hours, 10¾ (on foot); total miles, 9. Pied-billed Grebe, 8; Double-crested Cormorant, 2; Water-turkey, 2; Great Blue Heron, 1; Green Heron, 1; Lesser Scaup, 1005 (1000±150, 5); ducks too distant to identify with 20x scope, 7000±1000; Turkey Vulture, 6; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 3; Sparrow Hawk, 3; Bob-white, 10 (1 covey); Am. Coot, 38; Killdeer, 2; Wilson's Snipe, 1; Spotted Sandpiper, 1; Herring Gull, 1; Ring-billed Gull, 5; Forster's Tern, 2; Mourning Dove, 32; Ground Dove, 9; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; Eastern Phoebe, 20; Tree Swallow, 534 (500±50, 34); Blue Jay, 2; House Wren, 15; Carolina Wren, 10; Mockingbird, 13; Catbird, 6; Am. Robin, 73; Hermit Thrush, 3; Eastern Bluebird, 26; Blue-gray Gnatcatcher, 20; Ruby-crowned Kinglet, 11; Loggerhead Shrike, 3; White-eyed Vireo, 8; Solitary Vireo, 1; Black and White Warbler, 2; Orange-crowned Warbler, 16; Myrtle Warbler, 91; Yellow-throated Warbler, 4; Prairie Warbler, 2; Palm Warbler, 55 (Yellow, 3); Oven-bird, 1; Common Yellow-throat, 11; Eastern Meadowlark, 3; Red-winged Blackbird, 86; Boat-tailed Grackle, 6; Cardinal, 25; Am. Goldfinch, 26; Eastern Towhee, 22 (Red-eyed, 3); Chipping Sparrow, 11; Field Sparrow, 1; White-throated Sparrow, 13; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 63 species (2 additional subspecies); 9286 individuals. (Seen in area Dec. 23: Am. Egret, 1; Dec. 31: Little Blue Heron, 2; Fish Crow, 25; Tufted Titmouse, 1; House Sparrow, 15.)—William C. Baker.

215. Jacksonville, Fla. (area same as last year; flatwoods 16%, hammock 25%, salt marsh 8%, mud flats 5%, fresh marsh 9%, suburbs 3%, high pineland 9%, swamp 2%, sea beach 13%, farmland 2%, pasture 2%, sand dunes 6%).—Dec. 27; 6:30 a.m. to 6:30 p.m. Fair with scattered clouds; temp. 34° to 45°; wind NNW to NW, 7 m.p.h. Eleven observers in 5 parties. Total party-hours, 71 (22 on

foot, 49 by car); total party-miles, 258 (27 on foot, 231 by car). Common Loon, 2; Horned Grebe, 10; Pied-billed Grebe, 18; Brown Pelican, 326; Gannet, 5; Double-crested Cormorant, 22; Water-turkey, 1; Great Blue Heron, 12; Am. Egret, 26; Snowy Egret, 76; Louisiana Heron, 3; Little Blue Heron, 19; Black-crowned Night Heron, 14; Yellow-crowned Night Heron, 2; Mallard, 6; Black Duck, 35; Gadwall, 2; Am. Widgeon, 10; Green-winged Teal, 10; Blue-winged Teal, 4; Wood Duck, 5; Ring-necked Duck, 60; Lesser Scaup, 8; Buffle-head, 2; Hooded Merganser, 6; Am. Merganser, 16; Red-breasted Merganser, 30; Turkey Vulture, 41; Black Vulture, 7; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 11; Red-shouldered Hawk, 7; Broad-winged Hawk, 2; Bald Eagle, 12; Marsh Hawk, 12; Osprey, 6; Pigeon Hawk, 1; Sparrow Hawk, 29; Bob-white, 1; **Turkey,** 1; King Rail, 1; Clapper Rail, 32; Sora, 2; Florida Gallinule, 5; Am. Coot, 9; Piping Plover, 1; Ringed Plover, 30; Killdeer, 28; Black-bellied Plover, 39; Ruddy Turnstone, 146; Am. Woodcock, 1; Wilson's Snipe, 12; Greater Yellow-legs, 3; Lesser Yellow-legs, 2; Red Knot, 1; Least Sandpiper, 313; Red-backed Sandpiper, 150; Dowitcher, 20; Semipalmated Sandpiper, 56; Western Sandpiper, 4; Sanderling, 103; Herring Gull, 332; Ring-billed Gull, 539; Laughing Gull, 42; Bonaparte's Gull, 10; Forster's Tern, 481; Common Tern, 1; Least Tern, 6 (E.S., R.F.M.); Royal Tern, 143; Cabot's Tern, 6; Caspian Tern, 5; Black Skimmer, 1402; Mourning Dove, 85; Ground Dove, 17; Screech Owl, 4; Barred Owl, 3; Belted Kingfisher, 29; Yellow-shafted Flicker, 33; Pileated Woodpecker, 12; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 4; Eastern Phoebe, 59; Tree Swallow, 108; **Purple Martin,** 3 (E.S.—details submitted to S. A. Grimes); Blue Jay, 60; Am. Crow, 20; Fish Crow, 83; Carolina Chickadee, 15; Tufted Titmouse, 25; Brown-headed Nuthatch, 6; House Wren, 21; Winter Wren, 1; Carolina Wren, 43; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 18; Mockingbird, 94; Catbird, 15; Brown Thrasher, 14; Am. Robin, 695; Hermit Thrush, 13; Eastern Bluebird, 34; Blue-gray Gnatcatcher, 9; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 59; Water Pipit, 68; Cedar Waxwing, 28; Loggerhead Shrike, 38; Common Starling, 64; White-eyed Vireo, 2; Black and White Warbler, 3; Orange-crowned Warbler, 7; Myrtle Warbler, 1476; Yellow-throated Warbler, 12; Pine Warbler, 13; Palm Warbler, 129; Common Yellow-throat, 33; House Sparrow, 12; Eastern Meadow-lark, 32; Red-winged Blackbird, 148; Boat-tailed Grackle, 1; Brown-headed Cowbird, 2; Cardinal, 60; Purple Finch, 1; Am. Goldfinch, 104; Eastern Towhee, 107; Savannah Sparrow, 73; Sharp-tailed Sparrow, 15; Seaside Sparrow, 1; Vesper Sparrow, 17; Slate-colored Junco, 1; Chipping Sparrow, 67; Field Sparrow, 13; White-throated Sparrow, 471; Swamp Sparrow, 35; Song Sparrow, 33. **Total,** 139 species; 9493 individuals. (Seen in area Dec. 19: Ring-necked Pheasant, 1 [R.R.M.]; Dec. 26: White Pelican, 18 [E.S.]; Worm-eating Warbler, 1 [E.S.—observer familiar with species; studied for 15-20 min. at close range in favorable surroundings].)—Dr. R. O. Albert, Charlotte Buckland, Mrs. B. Cultra, S. A. Grimes, E. Hopkins, Helen Kickliter, R. F. Marsh, R. R. McKay (compiler), E. Seeber, Dr. J. Q. U. Thompson, Mrs. J. W. Whiteman (Duval County Audubon Society).

216. Key West, Fla. (same as area covered in 1950, except with 2 parties; mud flats 15%, mangrove swamp 5%, beaches, waterfront, and docks 50%, hammock 10%, open fields, sanctuary, and golf course 20%).—Jan. 2; 6:30 a.m. to 6:30 p.m. Clear; temp. 72° to 80°; wind NE to E, 8-12 m.p.h. Five observers in 2 parties. Total party-hours, 46 (32 on foot, 14 by car); total party-miles, 38 (8 on foot, 30 by car). Pied-billed Grebe, 1; Brown Pelican, 78; Double-crested Cormorant, 29; Man-o'-war-bird, 4; Great White Heron, 3; Great Blue Heron, 1; Am. Egret, 1; Snowy Egret, 3; Louisiana Heron, 5; Little Blue Heron, 4; Blue-winged Teal, 4; Lesser Scaup, 15; Red-breasted Merganser, 25; Turkey Vulture, 3; Broad-winged Hawk, 1; Osprey, 3; Peregrine Falcon, 1; Sparrow Hawk, 19; Am. Coot, 33; Ringed Plover, 3; Killdeer, 20; Black-bellied Plover, 18; Ruddy Turnstone, 19; Wilson's Snipe, 1; Spotted Sandpiper, 2; Willet, 16; Lesser Yellow-legs, 1; Least Sandpiper, 36; Dowitcher, 16; Sanderling, 20; Herring Gull, 56; Ring-billed Gull, 160; Laughing Gull, 567 (500 est., 67); Royal Tern, 182; Mourning Dove, 3; Ground Dove, 5; **Chuck-will's-widow,** 2 (seen feeding shortly after dark; seen and heard calling previously—C.B., G.S., F.H.); Ruby-throated Hummingbird, 2; Belted Kingfisher, 2; Yellow-bellied Sapsucker, 1; **Western Kingbird,** 1 (G.S., K.M., F.H.); Eastern Phoebe, 1; **Scissor-tailed Flycatcher,** 1 (G.S., K.M., F.H.); Tree Swallow, 3; Mockingbird, 9; Catbird, 26; Am. Robin, 31; Blue-gray Gnatcatcher, 6; White-eyed Vireo, 1; Parula Warbler, 1; Myrtle Warbler, 12; Yellow-throated Warbler, 1; Prairie Warbler, 4; Palm Warbler (Western), 49; Common Yellow-throat, 1; House Sparrow, 8; Red-winged Blackbird, 46; **Indigo Bunting,** 4 (present since Oct., associating with Painted Buntings; 3 in streaked brown plumage, the other with tinges of blue—G.S., K.M., F.H.); Painted Bunting, 1; Savannah Sparrow, 10; Grasshopper Sparrow, 1. **Total,** 61 species; about 1582 individuals. —Christine Bonney, Frances Hames (compiler), Esther Minter, Kenneth Minter, George Stevenson (Monroe County Audubon Society).

217. Lower Florida Keys (Monroe Co.), Fla. (keys and connecting bridges along overseas highway from west end of Seven Mile Bridge to Cudjoe Key; 7½-mile radius centering on Big Pine Key; beaches and sandbars with ocean and gulf 30%, salt-water ponds and mud flats 30%, mangrove swamps 30%, pine-palm forest 5%, tropical hammock 5%).—Dec. 29; 6:30 a.m. to 6:30 p.m. Clear to partly cloudy; temp. 70° to 82°; wind NE to SE to S, 2-7 m.p.h. Four observers in 2 parties. Total party-hours, 24 (19 on foot, 5 by car); total party-miles, 65 (10 on foot, 55 by car). Common Loon, 1; Pied-billed

Grebe, 3; Brown Pelican, 31; Double-crested Cormorant, 184; Man-o'-war-bird, 24; Great White Heron, 10; Great Blue Heron, 10; Würdemann's Heron (hybrid), 2; Am. Egret, 9; Snowy Egret, 1; **Cattle Egret,** 1 (on West Summerland Key; observed at close range—Mrs. F.H., Mrs. G. B.); Louisiana Heron, 52; Little Blue Heron, 13; Yellow-crowned Night Heron, 1; White Ibis, 15; Pintail, 15; Lesser Scaup, 9; Red-breasted Merganser, 86; Turkey Vulture, 43; Red-shouldered Hawk, 6; Broad-winged Hawk, 3; Marsh Hawk, 6; Osprey, 11; Sparrow Hawk, 26; Piping Plover, 4; Ringed Plover, 71; Wilson's Plover, 11; Killdeer, 6; Black-bellied Plover, 137; Ruddy Turnstone, 75; Wilson's Snipe, 1; Spotted Sandpiper, 4; Willet, 7; Greater Yellow-legs, 10; Lesser Yellow-legs, 9; Least Sandpiper, 258; Red-backed Sandpiper, 6; Dowitcher, 145; Semi-palmated Sandpiper, 26; Sanderling, 106; Herring Gull, 12; Ring-billed Gull, 39; Laughing Gull, 17; Forster's Tern, 12; Royal Tern, 384; Mourning Dove, 7; Ground Dove, 4; Barn Owl, 2; Chuck-will's-widow, 1 (F.H.); Ruby-throated Hummingbird, 1; Belted Kingfisher, 19; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 2; Tree Swallow, 3; House Wren, 4; Mockingbird, 15; Catbird, 14; Am. Robin, 1; Blue-gray Gnatcatcher, 12; White-eyed Vireo, 1; Orange-crowned Warbler, 2; **Yellow Warbler,** 1 (Mr. and Mrs. D.J.); Myrtle Warbler, 4; Yellow-throated Warbler, 2; Prairie Warbler, 16; Palm Warbler, 120; Northern Waterthrush, 1; Common Yellow-throat, 7; Red-winged Blackbird, 142; Cardinal, 12; Savannah Sparrow, 51; Chipping Sparrow, 1. **Total,** 72 species (and 1 hybrid); 2349 individuals. (Seen in area Dec. 27: Short-tailed Hawk [black phase].)—Mr. and Mrs. Douglas James, Mrs. Frances Hames, Mrs. Guy Bonney (compiler).

218. Miami, Fla. (same area as in 1950 and succeeding years; open woods–parks 26%, pine woods 2%, hammock jungle 2%, dry prairie [pasture–everglades] 23%, marsh 5%, salt-water shore 17%, fresh-water shore 10%, residential 15%).—Dec. 27; 7 a.m. to 8 p.m. Clear; temp. 48° to 72°; wind N to NE to E, 20-12-14 m.p.h. Seventeen observers in 8 parties. Total party-hours, 78¾ (48½ on foot, 30¼ by car); total party-miles, 360½ (56 on foot, 304½ by car). Pied-billed Grebe, 15; Brown Pelican, 114; Double-crested Cormorant, 115; Great White Heron, 1; Great Blue Heron (Ward's), 59; Am. Egret, 66; Snowy Egret, 71; Louisiana Heron, 58; Little Blue Heron, 486; Green Heron, 7; Yellow-crowned Night Heron, 1; Am. Bittern, 1; **White Ibis,** 300 (est.); Mallard, 20; **Mottled Duck** (Florida), 2; Green-winged Teal, 12; Blue-winged Teal, 150; Shoveller, 75; Ring-necked Duck, 5; Lesser Scaup, 300; Red-breasted Merganser, 30; Turkey Vulture, 202; Black Vulture, 94; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 9; Marsh Hawk, 35; Osprey, 9; Pigeon Hawk, 3; Sparrow Hawk, 120; Bob-white, 21; Sora, 2; Florida Gallinule, 10; Am. Coot, 411; Ringed Plover, 10; Wilson's Plover, 1; Killdeer, 716; Black-bellied Plover, 35; Ruddy Turnstone, 111; Wilson's Snipe, 30; Spotted Sandpiper, 7; Greater Yellow-legs, 64; Lesser Yellow-legs, 16; Red-backed Sandpiper, 37; Dowitcher, 23; Semi-palmated Sandpiper, 8; Sanderling, 175; Herring Gull, 42; Ring-billed Gull, 2511 (2100±411); Laughing Gull, 245; Bonaparte's Gull, 56; Forster's Tern, 17; Royal Tern, 22; Caspian Tern, 1; Black Skimmer, 9; Mourning Dove, 267; Ground Dove, 25; Barn Owl, 3; Screech Owl, 3; Burrowing Owl, 37; Barred Owl, 1; **Chuck-will's-widow,** 1 (A.C., F.O'B., L.W.); Whip-poor-will, 2 (L.A.S.); Ruby-throated Hummingbird, 14; Belted Kingfisher, 45; Yellow-shafted Flicker, 6; Pileated Woodpecker, 3; Red-bellied Woodpecker, 81; Yellow-bellied Sapsucker, 17; Hairy Woodpecker, 1; **Western Kingbird,** 1 (species seen on several occasions during fall —B.J.K., F.B.K.); Crested Flycatcher, 5; Eastern Phoebe, 109; Tree Swallow, 126; **Rough-winged Swallow,** 100 (brown back and brownish throat noted—D.P., A.B.); Blue Jay, 136; Am. Crow, 1; House Wren, 86; Carolina Wren, 26; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 2; Mockingbird, 249; Catbird, 66; Brown Thrasher, 6; Am. Robin, 3493 (area having greatest Robin invasion since 1940); Hermit Thrush, 1; Blue-gray Gnatcatcher, 202; Ruby-crowned Kinglet, 1; **Water Pipit,** 135±10; Loggerhead Shrike, 105;White-eyed Vireo, 12; **Yellow-throated Vireo,** 1 (Mr. and Mrs. D.J.); Solitary Vireo, 17; Black and White Warbler, 12; Orange-crowned Warbler, 8; Parula Warbler, 1; Myrtle Warbler, 108; Black-throated Gray Warbler, 1 (seen at home of Mrs. Eva Dickie on Dec. 25, 26, 27); Black-throated Green Warbler, 2; Yellow-throated Warbler, 3; Pine Warbler, 3; Prairie Warbler, 6; Palm Warbler (Western), 225; Oven-bird, 4; Common Yellow-throat, 64; House Sparrow, 483 (400±83); Eastern Meadowlark, 211; Red-winged Blackbird, 766; Baltimore Oriole, 2; **Spot-breasted Oriole,** 3 ([*Icterus pectoralis*] species has become naturalized at Miami during last 4 years—A.C., F.O'B., L.W.); Boat-tailed Grackle, 97; Purple Grackle (Florida), 33; Brown-headed Cowbird, 2; Cardinal, 104; **Indigo Bunting,** 2 (present since mid-Dec. at feeding station of Mrs. Frank G. Cox); Painted Bunting, 34; Am. Goldfinch, 47; Eastern Towhee (White-eyed), 16; Savannah Sparrow, 149; Grasshopper Sparrow, 11; **Field Sparrow,** 2; **White-throated Sparrow,** 1 (D.J.); Swamp Sparrow, 17; **Song Sparrow,** 3 (F.S., M.S.). **Total,** 125 species; about 14,757 individuals. (Common Loon seen in area on Dec. 25.)—William G. Atwater, Alfred Brandi, Anna Cox, Eva Dickie, Mr. and Mrs. Douglas James, Ben J. Kincaid, Fred B. Kopf, David Lupton, Jean Miles, Flora O'Brien, Dennis Paulson, Fred Stearns, Margaret Stearns, Dorothy Stimson, Louis A. Stimson (compiler), Lucita Wait (Dade Ornithologists and guests).

219. Monroe, Fla. (same as previous years, 7½-mile radius centering on Collier-Monroe county line 7 miles west of Dade County line; canal banks, cypress swamp, everglades, a few small pine areas).—Dec. 29; 6:15 a.m. to 5:30 p.m. Clear, wtih a few light clouds; temp. 68° to 82°; no wind; heavy fog

till 9 a.m.; water level higher than any year previous. Twelve observers in 7 parties till 2:30 p.m., 4 in 1 party till 5:30 p.m. Total party-hours, 58 (43 on foot, 15 by car); total party-miles, 68 (24 on foot, 44 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 3; Water-turkey, 14; Great Blue Heron, 53; Am. Egret, 400; Snowy Egret, 70; Louisiana Heron, 115; Little Blue Heron, 149; Green Heron, 56; Black-crowned Night Heron, 64; Yellow-crowned Night Heron, 5; Am. Bittern, 18; Wood Ibis, 57; White Ibis, 286; Mottled Duck (Florida), 3; Turkey Vulture, 129; Black Vulture, 22; Red-shouldered Hawk, 61; **Short-tailed Hawk,** 1 (species reported from same area last year—A.B., D.P.); Marsh Hawk, 3; Sparrow Hawk, 5; Turkey, 1; **Sandhill Crane** (Florida), 4; Limpkin, 71; King Rail, 7; Sora, 11; **Purple Gallinule,** 2 (E.T., T.H.T., E.D., D.L., L.A.S.); Florida Gallinule, 23; Am. Coot, 6; Killdeer, 3; Wilson's Snipe, 1; Mourning Dove, 2; Ground Dove, 1; Barn Owl, 2; Barred Owl, 26; Belted Kingfisher, 116; Yellow-shafted Flicker, 20; Pileated Woodpecker, 16; Red-bellied Woodpecker, 79; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 13; Crested Flycatcher, 21; Eastern Phoebe, 39; Tree Swallow, 941; Blue Jay, 7; Am. Crow, 118; Tufted Titmouse, 6; **Brown-headed Nuthatch,** 1 (D.L.); House Wren, 30; Carolina Wren, 93; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 98; Catbird, 96; Brown Thrasher, 1; Am. Robin, 465; Eastern Bluebird, 12; Blue-gray Gnatcatcher, 288; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 2; White-eyed Vireo, 85; **Yellow-throated Vireo,** 1 (bright yellow throat, yellow eye-ring, white wing-bars—E.T., T.H.T.); Solitary Vireo, 7; Black and White Warbler, 12; Orange-crowned Warbler, 23; Parula Warbler, 6; **Black-throated Blue Warbler,** 1 (♀ or immature; small white spot on wing noted—A.C., J.D.); Myrtle Warbler, 703 (300, 403); Yellow-throated Warbler, 4; Pine Warbler, 18; Prairie Warbler, 9; Palm Warbler, 212; Oven-bird, 2; Northern Water-thrush, 1; Common Yellow-throat, 235; **Am. Redstart,** 2 (ad. ♂; 1 seen in same area Dec. 13—Mr. and Mrs. T.H.T.); Eastern Meadowlark, 45; Red-winged Blackbird, 189; Boat-tailed Grackle, 23; Purple Grackle (Florida), 156; **Brown-headed Cowbird,** 2 (E.D., D.S., A.B., D.P.); Cardinal, 102; Am. Goldfinch, 15; Eastern Towhee (White-eyed), 12; Savannah Sparrow, 31; Chipping Sparrow, 20; Swamp Sparrow, 69. **Total,** 88 species; about 6140 individuals.—Alfred Brandi, Anna Cox, Eva Dickie, Jean Dunwody, Benjamin J. Kincaid, Frederick B. Kopf, David Lupton, Dennis Paulson, Dorothy Stimson, Louis A. Stimson (compiler), Elizabeth Tyson, Thomas H. Tyson (Dade Ornithologists).

220. Myakka River State Park, Fla. (7½-mile radius centering on main gate on Route 72; river, small lakes, and swamps 25%, woods, live oak and cabbage-palm 50%, prairie and palmetto 23%, old fields 2%).—Dec. 29; 7 a.m. to 6:30 p.m. Heavy fog until 10 a.m.; temp. 73° to 78°; wind SE, 1-8 m.p.h.; area flooded due to excessive rain. Twenty-three observers in 4 parties. Total party-hours, 39½ (12½ on foot, 26 by car, 1 by boat); total party-miles, 95½ (8 on foot, 86½ by car, 1 by boat). Pied-billed Grebe, 16; White Pelican, 3; Double-crested Cormorant, 1; Water-turkey, 20; Great Blue Heron, 23; Am. Egret, 58; Snowy Egret, 80; Louisiana Heron, 28; Little Blue Heron, 99; Green Heron, 2; Black-crowned Night Heron, 2; Wood Ibis, 4; White Ibis, 462; Mallard, 5; Black Duck, 2; Mottled Duck, 26; Am. Widgeon, 52; Canvas-back, 1; Lesser Scaup, 1; Turkey Vulture, 102; Black Vulture, 78; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 21; Bald Eagle, 2; Marsh Hawk, 5; Sparrow Hawk, 17; Bob-white, 44; Turkey, 49; Sandhill Crane, 5; Clapper Rail, 1; Florida Gallinule, 1; Am. Coot, 117; Killdeer, 30; Wilson's Snipe, 2; Lesser Yellow-legs, 2; Forster's Tern, 2; Mourning Dove, 85; Ground Dove, 51; Barn Owl, 1; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 14; Yellow-shafted Flicker, 15; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Crested Flycatcher, 1; Eastern Phoebe, 18; Tree Swallow, 3964 (3500 est., 464); Rough-winged Swallow, 3; Blue Jay, 22; Am. Crow, 73; Fish Crow, 32; Tufted Titmouse, 4; House Wren, 6; Carolina Wren, 6; Mockingbird, 84; Catbird, 32; Brown Thrasher, 12; Am. Robin, 396; Eastern Bluebird, 29; Blue-gray Gnatcatcher, 33; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 27; White-eyed Vireo, 2; Solitary Vireo, 6; Black and White Warbler, 5; Myrtle Warbler, 403; Yellow-throated Warbler, 1; Pine Warbler, 2; Palm Warbler (Western), 43; Oven-bird, 1; Common Yellow-throat, 6; Eastern Meadowlark, 35; Red-winged Blackbird, 203; Boat-tailed Grackle, 47; Purple Grackle, 35; Cardinal, 26; Am. Goldfinch, 2; Eastern Towhee, 16; Savannah Sparrow, 7; Chipping Sparrow, 7; White-throated Sparrow, 2; Swamp Sparrow, 2. **Total,** 87 species; about 7154 individuals. —Edith Bloodworth, Mr. and Mrs. A. C. Brettle, Mrs. Allan R. Brown (compiler), Park Supt. Allen Crowley, Paula Dillman, Mrs. Edward Harrison, Edward Harrison, Jr., Allen Hitch, John V. Hullinger, Mr. and Mrs. Royal Kellogg, Mary Miller, Margaret Minich, Mr. and Mrs. James Nelson, Col. and Mrs. Kevin O'Shea, Chandler Robbins, Jr. (compiler), Dan Rose, Mrs. James Stifler, Emma Taylor, Larry Thayer.

221. Panacea, Fla. (same circle as for past few years, but coverage somewhat different, adding Spring Creek; Gulf beach 13%, bay shores 8%, fresh-water lakes and ponds 8%, fresh-water marshes 4%, salt marshes 8%, cypress-gum swamps 8%, cultivated fields 2%, pastures and old fields 1%, pine woods 18%, hardwood forests [with few pines] 21%, roadside [by car] 9%).—Dec. 29; 7:15 a.m. to 6:45 p.m. Cloudy, with light showers; temp. 62° to 70°; wind SE, 0-8 m.p.h.; all-day fog made distant identification impossible. Seven observers in 4 parties. Total party-hours, 39½ (34 on foot, 4 by car, 1½ by canoe); total party-miles, 126 (26 on foot, 99 by car, 1 by canoe). **Common Loon,** 140; **Horned Grebe,** 59; Pied-billed Grebe, 6; Brown Pelican,

6; Double-crested Cormorant, 46; Water-turkey, 1; Great Blue Heron, 13; Am. Egret, 14; Snowy Egret, 1; Louisiana Heron, 10; **Little Blue Heron,** 13; **Least Bittern,** 1 (♂ flushed at close range—H.S.); Canada Goose, 500; Mallard, 26; **Pintail,** 400; **Green-winged Teal,** 6; Wood Duck, 125; Redhead, 2; **Ring-necked Duck,** 125; **Canvas-back,** 16; scaup, 280 (a few Lesser identified); Am. Golden-eye, 4; Buffle-head, 6; **Ruddy Duck,** 3; Hooded Merganser, 10; Am. Merganser, 1 (W.R.); Red-breasted Merganser, 75; Turkey Vulture, 11; Black Vulture, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; **Red-shouldered Hawk,** 6; Marsh Hawk, 6; **Pigeon Hawk,** 2 (S.R.); Sparrow Hawk, 5; Bob-white, 13; Virginia Rail, 1; Sora, 1; Am. Coot, 65; Piping Plover, 10; Snowy Plover, 13; Ringed Plover, 5; Killdeer, 17; **Golden Plover,** 1 (absence of black axillars and other field marks noted; previous winter records—S.R.); Black-bellied Plover, 34; Ruddy Turnstone, 6; Wilson's Snipe, 7; Spotted Sandpiper, 2; Willet, 21; **Greater Yellow-legs,** 17; **Least Sandpiper,** 30; Red-backed Sandpiper, 50; Dowitcher, 75; **Semipalmated Sandpiper,** 60; **Western Sandpiper,** 50; Sanderling, 28; Herring Gull, 50; **Ring-billed Gull,** 300; Laughing Gull, 10; Forster's Tern, 25; **Common Tern,** 2 (S.R.); Royal Tern, 20; Caspian Tern, 6; Black Skimmer, 10; Mourning Dove, 6; Ground Dove, 1; Horned Owl, 5; **Whip-poor-will,** 1 (H.S., S.R.); **Belted Kingfisher,** 21; **Yellow-shafted Flicker,** 30; Pileated Woodpecker, 3; Red-bellied Woodpecker, 22; **Red-headed Woodpecker,** 2; **Yellow-bellied Sapsucker,** 12; Hairy Woodpecker, 7; Downy Woodpecker, 7; Eastern Phoebe, 30; **Vermilion Flycatcher,** 1 (S.R.); Tree Swallow, 250; **Blue Jay,** 58; Am. Crow, 41; Fish Crow, 4; Carolina Chickadee, 36; **Tufted Titmouse,** 16; Brown-headed Nuthatch, 17; **Brown Creeper,** 2; House Wren, 11; Winter Wren, 2; Carolina Wren, 20; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, 5; Mockingbird, 70; **Catbird,** 24; Brown Thrasher, 18; Am. Robin, 400; Hermit Thrush, 16; **Eastern Bluebird,** 112; Blue-gray Gnatcatcher, 1; **Golden-crowned Kinglet,** 15; Ruby-crowned Kinglet, 21; Loggerhead Shrike, 10; **Common Starling,** 3; White-eyed Vireo, 3; Solitary Vireo, 2; Orange-crowned Warbler, 2; Myrtle Warbler, 475; **Black-throated Gray Warbler,** 1 (collected—H.S.); **Pine Warbler,** 43; Palm Warbler, 43 (both races); **Common Yellow-throat,** 46; Eastern Meadowlark, 25; Red-winged Blackbird, 70; Boat-tailed Grackle, 21; Purple Grackle, 7; **Cardinal,** 75; Am. Goldfinch, 65; **Eastern Towhee,** 155; **Savannah Sparrow,** 25; Sharp-tailed Sparrow, 6; Seaside Sparrow, 2; Vesper Sparrow, 4; **Pine-woods Sparrow,** 3; Chipping Sparrow, 80; **Field Sparrow,** 30; **White-throated Sparrow,** 105; **Swamp Sparrow,** 80; Song Sparrow, 19. **Total,** 127 species (1 additional subspecies); about 5554 individuals.—Herbert Curl, William and Lorelle Reese, Stephen M. Russell, Henry M. Stevenson, Ben and Prindle Wissler.

222. Pensacola, Fla. (same territory as for many years; city and suburban 10%, open bay and bay shores [largely by car] 25%, scrub oak 2%, mature live oak and deciduous woods 18%, pine woods 17%, pastures and cut-over woods [largely by car] 16%, wooded swamps 2%, fresh-water ponds 6%, salt marsh 1%, Gulf beach and dunes 3%).—Jan. 2; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 47° to 66°; wind light, variable, less than 8 m.p.h.; ground bare, saturated, standing water in all depressions from recent heavy rains. Eleven observers in 4 parties. Total party-hours, 31 (16 on foot, 15 by car); total party-miles, 144 (15 on foot, 129 by car). Common Loon, 37; Horned Grebe, 40; Pied-billed Grebe, 7; Brown Pelican, 38; Gannet, 13; Double-crested Cormorant, 233; Great Blue Heron, 10; Canvas-back, 1; Lesser Scaup, 203; Am. Golden-eye, 3; Buffle-head, 22; Red-breasted Merganser, 397; Turkey Vulture, 1; Black Vulture, 6; Red-shouldered Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 9; Clapper Rail, 3; Snowy Plover, 15; **Wilson's Plover,** 1 (2nd known mid-winter occurrence in 38 yrs.); Killdeer, 46; Black-bellied Plover, 13; Wilson's Snipe, 3; Willet, 4; Red-backed Sandpiper, 2; Sanderling, 40; Herring Gull, 48; Ring-billed Gull, 256; Laughing Gull, 83; Bonaparte's Gull, 42; Forster's Tern, 2; Common Tern, 1; Royal Tern, 10; Black Skimmer, 8; Mourning Dove, 18; Whip-poor-will, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Downy Woodpecker, 2; Red-cockaded Woodpecker, 1; Eastern Phoebe, 15; Blue Jay, 59; Am Crow and Fish Crow, 41 (count made of all crows seen; some of each species identified by sound); Carolina Chickadee, 9; Tufted Titmouse, 16; Brown-headed Nuthatch, 16; Brown Creeper, 3; House Wren, 8; Winter Wren, 4; Bewick's Wren, 2; Carolina Wren, 16; Long-billed Marsh Wren, 3; Mockingbird, 58; Catbird, 1; Brown Thrasher, 12; Am. Robin, 190; Hermit Thrush, 1; Eastern Bluebird, 23; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 45; Water Pipit, 28; Cedar Waxwing, 1; Loggerhead Shrike, 28; Common Starling, 383; White-eyed Vireo, 1; Solitary Vireo, 5; Black and White Warbler, 2; Orange-crowned Warbler, 3; Myrtle Warbler, 230; Yellow-throated Warbler, 1; Pine Warbler, 11; Palm Warbler, 20 (includes both Western and Yellow); Common Yellow-throat, 8; House Sparrow, 88; Eastern Meadowlark, 107; Red-winged Blackbird, 1608; Purple Grackle, 31; Cardinal, 25; Am. Goldfinch, 31; Eastern Towhee, 16; Savannah Sparrow, 1; Seaside Sparrow, 2; Vesper Sparrow, 23; Pine-woods Sparrow, 1; Chipping Sparrow, 54; Field Sparrow, 40; White-throated Sparrow, 288; Swamp Sparrow, 19; Song Sparrow, 17. **Total,** 94 species (1 additional subspecies); 5267 individuals. (Seen in area Jan. 3: Bald Eagle, 1; Marsh Hawk, 1; Piping Plover, 2; Spotted Sandpiper, 1.)—Frank Bray, Lyman E. Goodnight, Angus M. McMillan, Jr., Lennie E. Pate, Alan C. Sheppard, C. H. Struck, Jr., Maleta M. Wernicke, Francis M. Weston (compiler), Geneva W. Weston, A. Frederick Wicke, Jr., Jane Wicke.

223. St. Marks, Fla. (circle of past 6 years shifted 1½ miles eastward, excluding Crawfordville and

Spring Creek and adding areas northeast of St. Marks Lighthouse; bay shores 10%, fresh-water and brackish lakes and ponds 5%, Wakulla River and bay [in canoe] 11%, fresh-water marshes 5%, salt marshes 9%, cypress-gum swamps 6%, fields and pastures 11%, pine woods 16%, hardwoods [with few pines] 19%, roadside [by car] 7%, residential sections 1%).—Dec. 31; 6 a.m. to 6:40 p.m. Partly cloudy; temp. 46° to 58°; wind NNW, 4-14 m.p.h. Ten observers in 8 parties. Total party-hours, 77 (61¾ on foot, 7 by car, 8¼ by canoe); total party-miles, 211 (63 on foot, 136 by car, 12 by canoe). Common Loon, 27; **Red-throated Loon,** 1 (smaller than nearby Common Loon, lighter, more spotted on neck, and with upturned bill—B.R.); Horned Grebe, 54; Pied-billed Grebe, 51; White Pelican, 11; Brown Pelican, 1; Double-crested Cormorant, 800; **Water-turkey,** 35; Great Blue Heron, 24; Am. Egret, 135; Snowy Egret, 22; Louisiana Heron, 9; Little Blue Heron, 14; Black-crowned Night Heron, 1; Am. Bittern, 1; **Wood Ibis,** 2 (W.C., S.R.); Canada Goose, 1900; Mallard, 325; Black Duck, 100; Gadwall, 450; Am. Widgeon, 15; Pintail, 400; Green-winged Teal, 35; Blue-winged Teal, 10; Shoveller, 21; Wood Duck, 18; **Redhead,** 600; Ring-necked Duck, 245; Canvas-back, 23; Greater Scaup, 30; Lesser Scaup, 280; unidentified scaup, 470; Am. Golden-eye, 12; Buffle-head, 32; Ruddy Duck, 17; Hooded Merganser, 18; Red-breasted Merganser, 140; Turkey Vulture, 125; Black Vulture, 63; Sharp-shinned Hawk, 2; **Cooper's Hawk,** 5; **Red-tailed Hawk,** 15; **Red-shouldered Hawk,** 31; Bald Eagle, 6; **Marsh Hawk,** 21; **Peregrine Falcon,** 1 (S.R.); **Pigeon Hawk,** 1 (S.R.); **Sparrow Hawk,** 13; **Bob-white,** 20; **Limpkin,** 11; King Rail, 1; Clapper Rail, 11; Virginia Rail, 3; Sora, 2; Florida Gallinule, 5; Am. Coot, 2100; Am. Oyster-catcher, 1; Ringed Plover, 30; Wilson's Plover, 4 (D.J., F.J.); Killdeer, 26; Black-bellied Plover, 10; Ruddy Turnstone, 21; Wilson's Snipe, 15; Willet, 40; Greater Yellow-legs, 9; Lesser Yellow-legs, 2; Least Sandpiper, 31; Red-backed Sandpiper, 460; Semi-palmated Sandpiper, 8; Western Sandpiper, 29; Herring Gull, 35; Ring-billed Gull, 100; Laughing Gull, 1; Forster's Tern, 5; Mourning Dove, 15; Screech Owl, 1; **Horned Owl,** 8; Barred Owl, 8; **Belted Kingfisher,** 46; **Yellow-shafted Flicker,** 81; **Pileated Woodpecker,** 27; **Red-bellied Woodpecker,** 69; Red-headed Woodpecker, 4; **Yellow-bellied Sapsucker,** 30; **Hairy Woodpecker,** 6; Downy Woodpecker, 20; Red-cockaded Woodpecker, 3; **Eastern Phoebe,** 88; Vermilion Flycatcher, 1 (S.R.); Tree Swallow, 40; **Rough-winged Swallow,** 2 (2 parties); Blue Jay, 56; **Am. Crow,** 190; Fish Crow, 12; Carolina Chickadee, 45; **Tufted Titmouse,** 61; Brown-headed Nuthatch, 8; **Brown Creeper,** 7; House Wren, 19; **Winter Wren,** 5; **Bewick's Wren,** 1 (W.R.); Carolina Wren, 36; Long-billed Marsh Wren, 25; Short-billed Marsh Wren, 5; **Mockingbird,** 87; **Catbird,** 35; **Brown Thrasher,** 42; Am. Robin, 880; **Hermit Thrush,** 89; **Eastern Bluebird,** 210; **Blue-gray Gnatcatcher,** 34; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 145; Water Pipit, 25; Cedar Waxwing, 32; Loggerhead Shrike, 8; **Common Starling,** 240; **White-eyed Vireo,** 3; **Solitary Vireo,** 9; **Black and White Warbler,** 10; Orange-crowned Warbler, 8; Myrtle Warbler, 1400; Yellow-throated Warbler, 2; Pine Warbler, 5; Palm Warbler, 30 (2 races); Oven-bird, 1 (H.C., J.M.); **Common Yellow-throat,** 61; **Black-capped Warbler,** 2 (observer familiar with species; 2nd winter record for St. Marks area—W.C.); **House Sparrow,** 30; Eastern Meadow-lark, 59; **Red-winged Blackbird,** 4500; Boat-tailed Grackle, 300; **Purple Grackle,** 100; **Brown-headed Cowbird,** 25 (B.R.); **Cardinal,** 149; Purple Finch, 6; Am. Goldfinch, 75; **Eastern Towhee,** 260; Savannah Sparrow, 45; **Grasshopper Sparrow,** 1 (H.C., J.M.); Sharp-tailed Sparrow, 8; Seaside Sparrow, 16; Vesper Sparrow, 10; Pine-woods Sparrow, 2; Chipping Sparrow, 70; Field Sparrow, 18; **White-throated Sparrow,** 525; Swamp Sparrow, 100; Song Sparrow, 52. **Total,** 148 species (1 additional subspecies); about 20,233 individuals.—William H. Cross, Herbert Curl, Douglas and Frances James, John Morrill, William Reese, Bill Robertson, Stephen M. Russell, Henry M. Stevenson, Ben Wissler.

224. St. Petersburg, Fla. (Pinella Peninsula south of Largo; sea beaches and lake shores 60%, city streets and roads 20%, woods 10%, orange groves 2%, golf courses 3%, swamps and salt flats 5%).—Dec. 26; 7 a.m. to 5:30 p.m. Clear; temp. 46° to 62°; wind N, 15 m.p.h. Thirty-two observers in 12 parties. Total party-hours, 91½ (36½ on foot, 55 by car); total party-miles, 275½ (37½ on foot, 238 by car). Common Loon, 16; Horned Grebe, 7; Pied-billed Grebe, 21; Brown Pelican, 1237; Double-crested Cormorant, 912; Water-turkey, 5; Man-o'-war-bird, 7; Great Blue Heron, 78; Am. Egret, 181; Snowy Egret, 139; Louisiana Heron, 46; Little Blue Heron, 121; Green Heron, 3; Black-crowned Night Heron, 2; Yellow-crowned Night Heron, 29; Am. Bittern, 1; White Ibis, 372; Gadwall, 2; Blue-winged Teal, 1; Redhead, 5; Ring-necked Duck, 327; Canvas-back, 1; Lesser Scaup, 3755; Ruddy Duck, 3; Red-breasted Merganser, 224; Turkey Vulture, 81; Black Vulture, 26; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 5; Bald Eagle, 24; Marsh Hawk, 16; Osprey, 2; Sparrow Hawk, 38; Bob-white, 42; Clapper Rail, 4; Florida Gallinule, 24; Am. Coot, 585; Am. Oyster-catcher, 3; Piping Plover, 20; Ringed Plover, 68; Wilson's Plover, 32; Killdeer, 104; Black-bellied Plover, 98; Ruddy Turnstone, 47; Wilson's Snipe, 3; Spotted Sandpiper, 17; Willet, 131; Greater Yellow-legs, 1; Lesser Yellow-legs, 17; Least Sandpiper, 31; Red-backed Sandpiper, 25; Dowitcher, 59; Semipalmated Sandpiper, 23; Western Sandpiper, 56; Marbled Godwit, 1; Sanderling, 110; Herring Gull, 581; Ring-billed Gull, 4829; Laughing Gull, 732; Forster's Tern, 88; Royal Tern, 433; Cabot's Tern, 1; Caspian Tern, 7; Black Skimmer, 903; Mourning Dove, 356; Ringed Turtle Dove, 15 (established as a wild bird in the St. Petersburg area); Ground Dove, 77; Belted Kingfisher, 60; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 78; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 2; Eastern Phoebe, 27; Tree

Swallow, 5315; Blue Jay, 75; Fish Crow, 74; Tufted Titmouse, 11; Brown-headed Nuthatch, 3; House Wren, 8; Carolina Wren, 2; Long-billed Marsh Wren, 1; Mockingbird, 346; Catbird, 13; Brown Thrasher, 2; Am. Robin, 4062; Eastern Bluebird, 173; Blue-gray Gnatcatcher, 19; Ruby-crowned Kinglet, 7; Water Pipit, 1; Loggerhead Shrike, 144; White-eyed Vireo, 6; Black and White Warbler, 3; Orange-crowned Warbler, 1; Parula Warbler, 1; Myrtle Warbler, 2499; Yellow-throated Warbler, 12; Pine Warbler, 5; Prairie Warbler, 19; Palm Warbler, 739 (Western, 738; Yellow, 1); Common Yellow-throat, 18; House Sparrow, 156; Eastern Meadowlark, 72; Red-winged Blackbird, 3082; Boat-tailed Grackle, 296; Purple Grackle, 67; Brown-headed Cowbird, 500; Cardinal, 47; Am. Goldfinch, 37; Eastern Towhee, 45; Savannah Sparrow, 121; Chipping Sparrow, 10; Field Sparrow, 25; White-throated Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 3. **Total,** 118 species (1 additional subspecies); about 35,446 individuals.—Cleora Adams, Elizabeth Amerman, Mr. and Mrs. G. N. Barker, Wm. Baxter, Clara F. Brouse, Mr. and Mrs. E. J. Buchwald, M. P. Cobb, Lt. Col. and Mrs. H. B. Dawson, Albert Dietrich, Rev. Duncan F. Dodd, Louise Forsyth, E. M. Gleisner, Alice Hall, M. B. Hanrahan, Mr. and Mrs. Fred Hoover, Winnie Horne, E. F. Kelley, David Lupyon, Marylou Mills, M. L. Morris, Daisie Morrison (compiler), Dorothy B. Platt, Mrs. C. Quackenbush, A. F. Satterthwait, H. S. Slocum, Martha Toby, Sarah J. Woodward, Dr. Young.

225. Sarasota, Fla. (7½-mile radius centered near a point 4 3/8 miles east of Tamiami Trail on Bee Ridge Rd.; area about the same as in 1952, but area to east more thoroughly covered; Route 72 covered to within 1 mile of boundary of Myakka River State Park; 3 miles by motorboat in Sarasota Bay to mouth of Big Pass also added; Gulf beach 11%, bay shore 22%, residential area 10%, pine woods 6%, mixed woods 6%, fresh-water ponds 5%, ranches and farmlands 40%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Clear; temp. 39° to 61°; wind NE, 10 m.p.h. Twelve observers in 4 parties. Total party-hours, 33 (11½ on foot, 20 by car, 1½ by motorboat); total party-miles, 110 (8 on foot, 99 by car, 3 by motorboat). Common Loon, 3; Pied-billed Grebe, 18; Brown Pelican, 104; Double-crested Cormorant, 47; Water-turkey, 4; Great Blue Heron, 15; Am. Egret, 32; Snowy Egret, 34; Louisiana Heron, 10; Little Blue Heron, 78; Green Heron, 4; Black-crowned Night Heron, 1; Wood Ibis, 18; White Ibis, 10; Ring-necked Duck, 2; Canvas-back, 1; Greater Scaup, 4; Lesser Scaup, 284; Hooded Merganser, 5; Red-breasted Merganser, 59; Turkey Vulture, 108; Black Vulture, 61; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 8 (5 im., 3 ad.); Marsh Hawk, 5; Osprey, 2; Sparrow Hawk, 15; Bob-white, 120; Turkey, 1; Florida Gallinule, 10; Am. Coot, 12; Snowy Plover, 4; Ringed Plover, 1; Wilson's Plover, 5; Killdeer, 23; Black-bellied Plover, 46; Ruddy Turnstone, 33; Wilson's Snipe, 6; Spotted Sandpiper, 2; Willet, 18; Greater Yellow-legs, 3; Lesser Yellow-legs, 4; small "peep" sandpipers, 16; Red-backed Sandpiper, 66; Dowitcher, 20; Sanderling, 117; Herring Gull, 181; Ring-billed Gull, 253; Laughing Gull, 1060 (est.); Forster's Tern, 10; Royal Tern, 27; Caspian Tern, 1; Black Skimmer, 17; Mourning Dove, 104; Ground Dove, 49; Horned Owl, 5; Burrowing Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 10; Pileated Woodpecker, 1; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 14; Tree Swallow, 300 (est.); **Rough-winged Swallow,** 41 (observed leisurely on telephone wire at 30 ft.; dingy-colored throat, no breast band—Mr. and Mrs. L.K.J., C.P.P.); Blue Jay, 28; Scrub Jay, 1; Am. Crow, 4; Fish Crow, 83; Tufted Titmouse, 14; Brown-headed Nuthatch, 2; House Wren, 7; Carolina Wren, 1; Mockingbird, 68; Catbird, 11; Brown Thrasher, 5; Am. Robin, 3990 (est.); Hermit Thrush, 1; Eastern Bluebird, 28; Blue-gray Gnatcatcher, 17; Ruby-crowned Kinglet, 11; Water Pipit, 67; Cedar Waxwing, 9; Loggerhead Shrike, 36; White-eyed Vireo, 1; Solitary Vireo, 4; Black and White Warbler, 2; Orange-crowned Warbler, 2; Myrtle Warbler, 289; Yellow-throated Warbler, 8; Pine Warbler, 4; Prairie Warbler, 1; Palm Warbler, 71; Oven-bird, 1; Common Yellow-throat, 8; House Sparrow, 56; Eastern Meadowlark, 43; Red-winged Blackbird, 325 (est.); Boat-tailed Grackle, 19; Purple Grackle, 29; Brown-headed Cowbird, 1; Cardinal, 28; Painted Bunting, 2; Am. Goldfinch, 6; Eastern Towhee, 8 (Red-eyed, 7; White-eyed, 1); Savannah Sparrow, 13; Chipping Sparrow, 57; White-throated Sparrow, 3; Swamp Sparrow, 4. **Total,** 114 species (1 additional subspecies); 8927 individuals.—George Dillman, Mr. and Mrs. Gilbert Herringshaw, Mr. and Mrs. Lawrence K. Jennings, Donald L. Kauffman, Mr. and Mrs. Joshua Platt, Charles P. Preston (compiler), Chandler Robbins, Jr., Wilbur F. Smith, Mrs. Virginia Thier.

226. Tallahassee, Fla. (circle used in 1948-51 shifted about 2 miles northeast to include most of Lake Iamonia, excluding Florida State University farm, Southwood Plantation, etc.; open shores of lakes and ponds 22%, wooded shores of lakes and ponds 7%, marshes 7%, cultivated fields 9%, pastures and old fields 14%, pine woods 12%, deciduous woods [with few pines] 14%, roadside [by car] 13%, residential sections 2%).—Dec. 26; 6:40 a.m. to 6 p.m. Clear; temp. 29° to 57°; wind NNW, 2-10 m.p.h. Thirteen observers in 6 parties. Total party-hours, 55¾ (40¼ on foot, 10½ by car, 2 by canoe, 3 by bicycle); total party-miles, 192 (40 on foot, 141 by car, 2 by canoe, 9 by bicycle). Horned Grebe, 13; Pied-billed Grebe, 136; **White Pelican,** 1 (present since Nov.—W.C.); Double-crested Cormorant, 170; Great Blue Heron, 17; Am. Egret, 62; Louisiana Heron, 3; Little Blue Heron, 3; Canada Goose, 1040; Mallard, 1; Black Duck, 3; Gadwall, 30; **Am. Widgeon,** 300; Pintail, 15; Green-winged Teal, 1; Blue-winged Teal, 5; Shoveller, 15; Ring-necked Duck, 4275; Canvas-back, 3; Lesser Scaup, 14; Buffle-head, 4; Ruddy Duck, 27; **Am. Merganser,** 1 (specimen—H.S.); **Red-breasted Mer-**

ganser, 5 (W.C.); **Turkey Vulture,** 58; Black Vulture, 42; Sharp-shinned Hawk, 2; **Red-tailed Hawk,** 22; Red-shouldered Hawk, 16; Bald Eagle, 2; Marsh Hawk, 14; Osprey, 1 (Reeses); **Pigeon Hawk,** 1 (Reeses); Sparrow Hawk, 15; **Bob-white,** 107; **Turkey,** 12 (reported by Mr. Coble); Florida Gallinule, 2; Am. Coot, 450; Killdeer, 106; Am. Woodcock, 1; Wilson's Snipe, 53; Spotted Sandpiper, 1 (W.C.); Greater Yellow-legs, 2; Least Sandpiper, 42; Red-backed Sandpiper, 3; Herring Gull, 4; **Ring-billed Gull,** 100; Bonaparte's Gull, 1 (W.C.); Forster's Tern, 18; Mourning Dove, 210; Ground Dove, 11; **Horned Owl,** 9; Barred Owl, 4; Belted Kingfisher, 22; Yellow-shafted Flicker, 98; **Pileated Woodpecker,** 19; Red-bellied Woodpecker, 61; **Red-headed Woodpecker,** 31; **Yellow-bellied Sapsucker,** 21; Hairy Woodpecker, 4; Downy Woodpecker, 15; **Red-cockaded Woodpecker,** 9; **Eastern Phoebe,** 90; Vermilion Flycatcher, 1 (W.C.); Tree Swallow, 1; **Blue Jay,** 156; Am. Crow, 127; Fish Crow, 3; Carolina Chickadee, 59; Tufted Titmouse, 32; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 5; Brown Creeper, 1; House Wren, 38; Winter Wren, 1; Carolina Wren, 47; **Short-billed Marsh Wren,** 5; Mockingbird, 117; Catbird, 1 (Randels); Brown Thrasher, 23; Am. Robin, 96; Hermit Thrush, 30; **Eastern Bluebird,** 338; Blue-gray Gnatcatcher, 20; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 83; Water Pipit, 350; Cedar Waxwing, 10; **Loggerhead Shrike,** 48; Common Starling, 9; White-eyed Vireo, 2; Solitary Vireo, 3; Black and White Warbler, 4; Orange-crowned Warbler, 8; Myrtle Warbler, 110; **Yellow-throated Warbler,** 6; **Pine Warbler,** 60; Palm Warbler, 18 (2 races); Common Yellow-throat, 28; **Yellow-breasted Chat,** 1 (one previous winter record—W.C.); House Sparrow, 65; Eastern Meadowlark, 120; Red-winged Blackbird, 160; Baltimore Oriole, 1 ♂ (H.S.); **Rusty Blackbird,** 4; Purple Grackle, 17; Cardinal, 180; Pine Siskin, 1 (W.C.); Am. Goldfinch, 180; Eastern Towhee, 100; Savannah Sparrow, 24; **Sharp-tailed Sparrow,** 1 (collected Dec. 27—W.C.); Vesper Sparrow, 65; **Pine-woods Sparrow,** 7; **Slate-colored Junco,** 30; **Chipping Sparrow,** 85; Field Sparrow, 80; **White-throated Sparrow,** 590; Swamp Sparrow, 46; Song Sparrow, 94. **Total,** 120 species (1 additional subspecies); about 11,535 individuals. (Dec. 27: Am. Bittern, 1; Dec. 28: Mississippi Kite, 1; both by H.M.S.)—William H. Cross, Herbert and Betty Curl, John V. Dennis, John MacGowan, John and Ann Morrill, William P. Randel, Sr. and Jr., Janet Randel, William and Lorelle Reese, Henry M. Stevenson.

227. Titusville–Merritt Island, Fla. (15-mile diameter, extending from Atlantic Ocean at Titusville Beach westward to point 3 miles west of Indian River City; north-south diameter through Merritt Island; beach 3%, lagoons and ponds with adjacent marshlands 50%, pinelands 8%, scrub 4%, palmetto-deciduous growth 2%, Indian River shores 33%).—Dec. 29; 7 a.m. to 5 p.m. Fog early, clear from 10:30 a.m.; temp. 61° to 76°; wind SW, 0-12 m.p.h. Nine observers in 2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 140 (6 on foot, 134 by car). Common Loon, 1; Horned Grebe, 10; Pied-billed Grebe, 19; Brown Pelican, 56; Double-crested Cormorant, 72; Water-turkey, 3; Great Blue Heron, 25; Am. Egret, 36; Snowy Egret, 42; Louisiana Heron, 22; Little Blue Heron, 9; Green Heron, 3; Am. Bittern, 2; Wood Ibis, 10; Ring-necked Duck, 1; Lesser Scaup, 2200 (est.); Old-squaw, 2; Red-breasted Merganser, 5; Turkey Vulture, 24; Black Vulture, 6; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 6; Osprey, 1; Sparrow Hawk, 26; Sora, 1; Florida Gallinule, 3; Am. Coot, 20; Killdeer, 30; Black-bellied Plover, 3; Ruddy Turnstone, 31; Wilson's Snipe, 3; Spotted Sandpiper, 2; Willet, 2; Least Sandpiper, 1; Red-backed Sandpiper, 4; Western Sandpiper, 3; Sanderling, 17; Herring Gull, 55; Ring-billed Gull, 377; Bonaparte's Gull, 19; Forster's Tern, 10; Royal Tern, 65; Black Skimmer, 23; Mourning Dove, 2; Ground Dove, 13; Belted Kingfisher, 33; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 2; Eastern Phoebe, 32; Tree Swallow, 127; Blue Jay, 16; Scrub Jay, 23; Am. Crow, 12; Fish Crow, 252; House Wren, 7; Carolina Wren, 6; Mockingbird, 82; Catbird, 10; Brown Thrasher, 2; Am. Robin, 3085 (est.); Hermit Thrush, 2; Eastern Bluebird, 85; Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 15; Solitary Vireo, 1; Orange-crowned Warbler, 3; Myrtle Warbler, 205; Pine Warbler, 3; Palm Warbler, 19; Common Yellow-throat, 14; House Sparrow, 2; Eastern Meadowlark, 7; Red-winged Blackbird, 69; Boat-tailed Grackle, 50; Purple Grackle, 11; Cardinal, 9; Eastern Towhee, 18; Savannah Sparrow, 29; Seaside Sparrow, 2; White-throated Sparrow, 6; Swamp Sparrow, 11; Song Sparrow, 3. **Total,** 86 species; about 7557 individuals. —Fred J. Ackerman, Rose Block, W. M. Davidson (compiler), C. H. Ekdahl, Norma Ekdahl, Lucille Norton, Herbert J. Tepper, Doris M. Thompson, Miriam Vinup (Florida Audubon Society).

228. Ashland, Ohio (regular area at Charles Mill Dam reservoir; deciduous woods 40%, waste fields 25%, cultivated fields 5%, marsh and bushy swamps 20%, roadsides 8%, pine plantings 2%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Clear in a.m., partly cloudy in p.m.; temp. 27° to 35°; wind SW, 0-10 m.p.h.; ground bare, frozen; lake partly frozen. Eleven observers in 4 parties. Total party-hours, 29½ (on foot); total party-miles, 36 (on foot). Mallard, 36; Black Duck, 2; Am. Merganser, 11; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 61; Ring-necked Pheasant, 3; Killdeer, 6; Wilson's Snipe, 3; Mourning Dove, 27; Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 11; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Hairy Woodpecker, 15; Downy Woodpecker, 56; Blue Jay, 36; Am. Crow, 1; Black-capped Chickadee, 47; Tufted Titmouse, 61; White-breasted Nuthatch, 62; Brown Creeper, 9; Carolina Wren, 3; Eastern Bluebird, 20; Golden-crowned Kinglet, 6; Common Starling, 140; House Sparrow, 284; Eastern Meadowlark, 6; Red-winged Blackbird, 25; Cardinal, 81; Purple Finch,

27; Am. Goldfinch, 40; Slate-colored Junco, 199; Am. Tree Sparrow, 415; White-throated Sparrow, 2; Swamp Sparrow, 15; Song Sparrow, 57. **Total,** 38 species; about 1790 individuals. (Five unidentified hawks and 1 unidentified owl were seen.)—Paul D. Harwood, Burton C. Kahl (compiler), S. M. Martin, Cordelia Morris, Maurice R. Newkirk, C. S. Ross, Robert Thompson, Thomas A. Thornburg, Paul Thornburg, Joe Wagenhals, Joe Yeagle.

229. Ashtabula, Ohio (coverage as in previous years; lake shore and lake plain from west of Ashtabula to Conneaut and south 7 miles in upland farms and partly conifer woods; Lake Erie shore 25%, brushy lake plain 20%, streams and ponds 10%, deciduous woods with much hemlock or white pine 20%, upland farms 25%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear, bright sun; temp. 32° to 45°; wind SW, 5-10 m.p.h.; ground 80% to 90% covered 1-5 inches with remains of an 8-14-in. snow; stagnant water frozen, Lake Erie and most streams open. Thirteen observers in 6 parties. Total party-hours, 36 (20 on foot, 16 by car); total party-miles, 208 (22 on foot, 186 by car). Common Loon, 1; Horned Grebe, 2; Pied-billed Grebe, 4; Double-crested Cormorant, 4; Mallard, 36; Black Duck, 21; Redhead, 36; Canvas-back, 158; Greater Scaup, 9; Lesser Scaup, 54; Am. Golden-eye, 444; Buffle-head, 42; Hooded Merganser, 2; Am. Merganser, 68; Red-breasted Merganser, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 12; Ruffed Grouse, 4; Bob-white, 1; Ring-necked Pheasant, 4; Am. Coot, 1; Herring Gull, 1605; Ring-billed Gull, 32; Bonaparte's Gull, 115; Mourning Dove, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 30; Horned Lark, 6; Blue Jay, 34; Am. Crow, 46; Black-capped Chickadee, 89; Tufted Titmouse, 11; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 8; Brown Creeper, 14; Winter Wren, 1; Golden-crowned Kinglet, 20; Cedar Waxwing, 26; Gray Shrike, 2 (1 collected); Common Starling, 667; House Sparrow, 486; Eastern Meadowlark, 16; Red-winged Blackbird, 1; Brown-headed Cowbird, 10; Cardinal, 64; Am. Goldfinch, 85; Slate-colored Junco, 74; **Oregon Junco,** 1 (M.T., E.L.); Am. Tree Sparrow, 212; Song Sparrow, 8; Snow Bunting, 14. **Total,** 60 species; 4623 individuals. (Seen in area Dec. 26 and Jan. 4: Snowy Owl, 1; Jan. 3: Am. Robin, 1.)—Lawrence E. Hicks (compiler), Paul H. Savage, Ernie Limes, M. B. Trautman, Audrey Claugus, William Davis, Roger W. Landmesser, Frank L. Yocom, Peggy Yocom, Howard Blakeslee, Mrs. Dixie Shiflet, Emerson Kemsies, Donald Dallas, Jr.

230. Atwood Reservoir (Carroll and Tuscarawas Cos.), Ohio (marsh, alder swamps, bordering woodlands [oak-hickory, beech-maple and elm-sycamore associations], a few cultivated borders and open water).—Jan. 3; 8:15 a.m. to 5 p.m. Overcast; sandy snow (intermittent); temp. 34° to 28°; wind WNW, 15-20 m.p.h.; barometer 29.23, rising. Six observers in 1 party. Total hours, 9 (3½ on foot, 5½ by car); total miles, 35½ (2½ on foot, 33 by car). Common Loon 1; Horned Grebe, 7; Pied-billed Grebe, 9; Double-crested Cormorant, 1; Great Blue Heron, 1; Mallard, 500+; Black Duck, 300+; Ring-necked Duck, 2; Canvas-back, 1; Am. Golden-eye, 12; Buffle-head, 5; White-winged Scoter, 2 (9 counted week before); Hooded Merganser, 2; Am. Merganser, 8; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Am. Coot, 1; Killdeer, 1; Herring Gull, 6; Screech Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 3; Am. Crow, 1; chickadee (sp.), 25; Tufted Titmouse, 3; White-breasted Nuthatch, 1; Am. Robin, 7; Common Starling, 2; House Sparrow, 63; Cardinal, 32; Am. Goldfinch, 5; Slate-colored Junco, 48; Am. Tree Sparrow, 55; Song Sparrow, 12. **Total,** 38 species; 1131 individuals.—M. L. Hundley (compiler), R. Dusenbury, P. Hardesty, J. Iler, B. Locke, J. Miller. [In addition to the above, 1 Black Tern was included in this list without details. Mr. Hundley, who is familiar with its winter plumage, subsequently writes that he identified this species as it hovered for about a half minute over a Black Duck. The observation was carried out with a tripod-set 40x telescope, but the bird could not be relocated once it left the field of view. This species is reported by the A.O.U *Check-List* to winter from Surinam to Peru and Chile. Its last appearance on a Christmas Bird Count was a Florida report that the editor questioned 4 years ago. In view of its obvious winter rarity in North America, it seems that the present report should be left in a hypothetical category.—Ed.]

231. Buckeye Lake, Ohio (about the same area as in past 28 years; deciduous woodlands 60%, open farmland 30%, brushy swamp and cattail marsh 10%).—Dec. 26; 6:45 a.m. to 5:20 p.m. Fair in a.m., clear in p.m.; temp. 24° to 42°; wind W, 15-20 m.p.h.; ground frozen and without snow; 80% of lake covered with ice, canal and streams open and low because of prolonged drought. Seventeen observers in 4 parties. Total party-hours, 33 (25 on foot, 8 by car); total party-miles, 158 (35 on foot, 123 by car). Mallard, 534 (±50); Black Duck, 139 (±20); Gadwall, 2; Am. Widgeon, 4; Pintail, 10; Redhead, 1; Am. Golden-eye, 1; Hooded Merganser, 1; Am. Merganser, 2; Cooper's Hawk, 5; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 9; Bob-white, 136; Ring-necked Pheasant, 6; Killdeer, 1; Red-backed Sandpiper, 1; Herring Gull, 1; Mourning Dove, 196; Barn Owl, 2; Barred Owl, 6; Short-eared Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 78; Pileated Woodpecker, 8; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 4; Hairy Woodpecker, 23; Downy Woodpecker, 137; Horned Lark, 40; Blue Jay, 75; Am. Crow, 2; Carolina Chickadee, 196; Tufted Titmouse, 125; White-breasted Nuthatch, 95; Brown Creeper, 59; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 1; Am. Robin, 8; Hermit Thrush, 1; Eastern Blue-

bird, 41; Golden-crowned Kinglet, 31; Cedar Waxwing, 8; Common Starling, 157; Myrtle Warbler, 14; House Sparrow, 3493; Eastern Meadowlark, 77; Red-winged Blackbird, 21; Rusty Blackbird, 21; Purple Grackle, 5; Brown-headed Cowbird, 21; Cardinal, 316; Purple Finch, 2; Am. Goldfinch, 58; Eastern Towhee, 6; Slate-colored Junco, 86; Am. Tree Sparrow, 893; Field Sparrow, 2; **White-crowned Sparrow,** 22 (some seen by all 4 parties; these are the first recorded during 30 years of winter investigations in this area); White-throated Sparrow, 2; Swamp Sparrow, 35; Song Sparrow, 209; Snow Bunting, 3. **Total,** 65 species; about 7486 individuals.—David S. Baker, Arthur C. Borror, Donald J. Borror, Harold E. Burtt, Audrey Claugus, Fred Gehlbach, William Gilbert, Lawrence E. Hicks, Arthur F. Kiefer, Ernest Limes, Jon Peterson, Edwin E. Postle, Irvin B. Rickly, Henry Schuer, Paul E. Stewart, Milton B. Trautman (compiler), George S. Wolfram.

232. **Bucyrus, Ohio** (Kuehnle, Cook, and Rexroth farms southeast of city to intersection of Mt. Vernon Rd. and Galion Rd.; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 10%, beech-maple climax woods 4%, pine-hemlock reforestation grove 1%).—Dec. 26; 9 a.m. to 5 p.m. Low overcast; temp. 22° to 26°; wind NW, 26 m.p.h.; fields bare, ground frozen. Two observers in 1 party. Total hours, 7 (6 on foot, 1 by car); total miles, 24 (16 on foot, 8 by car). Red-tailed Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 25; Ring-necked Pheasant, 4; Mourning Dove, 59; Screech Owl, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 24; Hairy Woodpecker, 2; Downy Woodpecker, 13; Horned Lark, 15; Blue Jay, 15; Am. Crow, 4; Black-capped Chickadee, 3; Tufted Titmouse, 18; White-breasted Nuthatch, 10; Brown Creeper, 3; Golden-crowned Kinglet, 3; Common Starling, 220; House Sparrow, 310; Cardinal, 18; Pine Siskin, 6; Am. Goldfinch, 7; Slate-colored Junco, 7; Am. Tree Sparrow, 46; Song Sparrow, 18. **Total,** 28 species; 847 individuals.—Paul Kuehnle (compiler), Judith Ann Kuehnle.

233. **Cadiz, Ohio** (west and northwest along ridges and valley shore of Tappan Lake, about same area as in past 53 years; village yards and feeding stations 5%, open country 30%, deciduous woods 35%, pine grove 5%, lake shore 10%, roadsides and thickets 15%. Rolling hill country has been largely denuded of woodlands in 50 years, but large conservancy lake added).—Dec. 27; 8 a.m. to 6 p.m. Mostly clear and bright; temp. 25° to 40°; wind very light, 3-6 m.p.h.; ground bare, mostly frozen after 4 days' cold; creeks and much of lake ice covered; water levels low. Seven observers in 2 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 84½ (6½ on foot, 78 by car). Horned Grebe, 1; Pied-billed Grebe, 12; Great Blue Heron, 2; Black Duck, 500 (est.); Pintail, 5; Blue-winged Teal, 5 [no details—Ed.]; Am. Merganser, 10; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 2; Am. Coot, 5; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 10; Horned Lark, 10; Blue Jay, 5; Am. Crow, 5; Carolina Chickadee, 20; Tufted Titmouse, 8; White-breasted Nuthatch, 3; Carolina Wren, 4; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 7; Golden-crowned Kinglet, 6; Common Starling, 206; House Sparrow, 168; Cardinal, 25; Purple Finch, 4; Am. Goldfinch, 4; Slate-colored Junco, 58; Am. Tree Sparrow, 169; Song Sparrow, 15. **Total,** 40 species; 1305 individuals.—Harry B. McConnell (53rd consecutive Christmas Count), John G. Worley (compiler, 43rd consecutive count), Milton Ronsheim, Mary Ronsheim, Clara C. Worley, David E. Worley, Tom Ford.

234. **Cincinnati, Ohio** (same area as last year). —Dec. 27; 7 a.m. to 6 p.m. Clear; temp. 23° to 46°; wind S to SW, 0-14 m.p.h.; ponds mostly frozen, rivers partly frozen. Sixty-three observers in 8 parties. Total party-hours, 113 (84 on foot, 23 by car, 6 by canoe); total party-miles, 342 (115 on foot, 219 by car, 8 by canoe). **Common Loon,** 1; **Horned Grebe,** 3; Pied-billed Grebe, 6; Great Blue Heron, 1; Canada Goose, 20; Mallard, 292; Black Duck, 105; **Gadwall,** 2; Am. Widgeon, 2; Pintail, 6; Am. Golden-eye, 1; Hooded Merganser, 6; Am. Merganser, 36; Red-breasted Merganser, 22; Turkey Vulture, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 10; Red-tailed Hawk, 15 (including 1 Krider's: identified at close range by E.K. and party; very pale, almost cream-colored tail, lighter head, and somewhat lighter body); Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 34; Bob-white, 279 (21 coveys); Am. Coot, 1; Killdeer, 8; **Wilson's Snipe,** 3; Ring-billed Gull, 3; Mourning Dove, 610; Barn Owl, 1; Screech Owl, 2; Horned Owl, 1; Barred Owl, 8; Short-eared Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 168; Red-bellied Woodpecker, 95; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 19; Downy Woodpecker, 327; Eastern Phoebe, 1; Horned Lark, 66; Blue Jay, 68; Am. Crow, 300; Carolina Chickadee, 803; Tufted Titmouse, 502; White-breasted Nuthatch, 18; Brown Creeper, 17; Winter Wren, 2; Carolina Wren, 128; Mockingbird, 18; Catbird, 1; Am. Robin, 10; Eastern Bluebird, 130; Golden-crowned Kinglet, 8; Water Pipit, 2; Cedar Waxwing, 82; Common Starling, 3750; Myrtle Warbler, 51; House Sparrow, 3153; Eastern Meadowlark, 332; Red-winged Blackbird, 93; Purple Grackle, 4; Brown-headed Cowbird, 14; Cardinal, 1200 (est.); Purple Finch, 7; Pine Siskin, 2; Am. Goldfinch, 273; Eastern Towhee, 10; **Savannah Sparrow,** 1; **Vesper Sparrow,** 1; Slate-colored Junco, 904; Am. Tree Sparrow, 533; Field Sparrow, 23; White-crowned Sparrow, 7; White-throated Sparrow, 45; Swamp Sparrow, 55; Song Sparrow, 68. **Total,** 77 species (1 additional subspecies); about 15,425 individuals. —G. Acomb, G. R. Austing, M. L. Bagel, W. Benway, G. Bohlander, L. Brinkman, E. Brockschlager,

R. Carpenter, C. Chambers, V. C. Coles, Mr. and Mrs. R. Deupree, P. Feist, D. Flood, E. P. Floyd, W. Goodpaster, R. Greenman, Mr. and Mrs. R. G. Griffin, F. Harbaum, W. Harbaum, H. Heger, P. X. Hellmann, E. Houser, J. A. Higgins, C. Hilker, A. Johnston, E. Johnstone, W. E. Kaskan, E. Kemsies, J. Lodwick, K. Maslowski, W. Mers, M. Nauer, F. Neuffer, R. Oliver, Dr. and Mrs. W. Pape, W. Parks, Jr., R. L. Pienkowski, W. Randle, M. L. Rosegay, Mr. and Mrs. S. M. Rowe, Jr., S. M. Rowe, Sr., S. E. Sjodahl (compiler), J. Staab, A. Stephenson, B. Stephenson, H. Stephenson, I. C. Suttman, G. R. Symons, Rev. C. J. Taylor, Mr. and Mrs. J. W. Taylor, W. Turner, J. Upson, W. I. Upson, P. Vitz, J. Wagner, V. Watts, D. Weinberg, J. L. Zimmerman.

235. Cleveland, Ohio (same area as last year).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 28° to 37°; wind SSW to SSE, 5-11 m.p.h.; ground covered by 3-in. snow; ponds frozen, lake and streams open. Thirty-six observers in 17 parties. Total party-hours, 106 (42 on foot, 64 by car); total party-miles, 613 (88 on foot, 525 by car). Horned Grebe, 18; Great Blue Heron, 4; Mallard, 100; Black Duck, 185; Redhead, 4; Canvas-back, 2; Greater Scaup, 5; Lesser Scaup, 3050; Am. Golden-eye, 25; Buffle-head, 3; Old-squaw, 1; Ruddy Duck, 17; Hooded Merganser, 1; Am. Merganser, 61; Red-breasted Merganser, 51; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 6; **Broad-winged Hawk,** 1 (watched soaring overhead for 5 minutes with 7x glasses—D.S., D.S., Jr.) [full details given—Ed.]; Marsh Hawk, 4; Sparrow Hawk, 9; Bob-white, 31; Ring-necked Pheasant, 3; Am. Coot, 1; Killdeer, 1; **Northern Phalarope,** 1 (observed for several minutes at 100 ft. with 20x telescope; spinning and dipping at edge of flock of Bonaparte's Gulls; very thin uniformly colored bill, streaked back, and short wing-stripe noted when flushed —J.F.A.); Glaucous Gull, 1; Herring Gull, 977 (175 est., 802); Ring-billed Gull, 2275; Bonaparte's Gull, 450; Mourning Dove, 31; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 10; Pileated Woodpecker, 7; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 17; Downy Woodpecker, 131; Horned Lark, 7; Blue Jay, 173; Am. Crow, 33; Black-capped Chickadee, 318; Tufted Titmouse, 156; White-breasted Nuthatch, 138; Red-breasted Nuthatch, 3; Brown Creeper, 4; Winter Wren, 3; Carolina Wren, 4; Catbird, 1; Am. Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 50; Cedar Waxwing, 187; **Gray Shrike,** 1; Common Starling, 579; Myrtle Warbler, 7; House Sparrow, 675; Eastern Meadowlark, 1; Cardinal, 150; Am. Goldfinch, 57; Slate-colored Junco, 494; Am. Tree Sparrow, 426; White-throated Sparrow, 8; Swamp Sparrow, 2; Song Sparrow, 52; Snow Bunting, 5. **Total,** 70 species; about 11,069 individuals.—James F. Akers, L. P. Barbour, Mrs. Robert S. Booth, Vera Carrothers, Maude Doolittle, Dr. C. T. Downer, Adela Gaede, P. V. Greohrs, Carl F. Hamann, Constance K. Hamann, R. W. Hill, Frank Johnson, Rudolph Kula, David M. McConoughey, Frank P. McConoughey, Robert Maly, Lucille Mannix, T. W. Mastin, N. A. Meinhardt, Greta Pallister, Hugh Pallister, Margaret E. Perner, Jerry Piskac, Marjorie Ramisch (compiler), Edward F. Schuster, Mrs. Francis Sherwin, Merit Skaggs, Ray Smiley, Paul Smith, Walter L. Smith, Mike Stasko, David Swetland, David Swetland, Jr., Florence Vallender, Maurice Walters, Lida Whittier (Kirtland Bird Club and friends).

236. Cuyahoga Falls, Ohio (7½-mile radius about square in Cuyahoga Falls; same area as last year with addition of Lake Mogadore; deciduous woods 38%, lakes and Cuyahoga River 30%, flood plain and swamp 10%, fields 10%, city streets 6%, golf courses 4%, farmland 2%, 6 feeding stations). —Dec. 27; 7:30 a.m. to 4:30 p.m. Sunny and clear until noon, then increasing cloudiness to full cloud cover; temp. 24° to 33°; wind calm until noon, then increasing wind to 12 m.p.h. from W; ground covered with ½-in. fresh snow in places; Summit Lake open, other lakes and Cuyahoga River open in spots only. Twenty observers in 14 parties. Total party-hours, 46 (34 on foot, 12 by car); total party-miles, 120 (22 on foot, 98 by car). Pied-billed Grebe, 40; Great Blue Heron, 1; Canada Goose, 22; Blue Goose, 1 (present on a farm pond for a year); Mallard, 276; Black Duck, 133; Am. Widgeon, 8; Green-winged Teal, 1; Ring-necked Duck, 3; Lesser Scaup, 6; Am. Golden-eye, 26; Ruddy Duck, 2; Hooded Merganser, 3; Am. Merganser, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Sparrow Hawk, 6; Bob-white, 18; Ring-necked Pheasant, 25; Am. Coot, 31; Herring Gull, 1; Ring-billed Gull, 1; Screech Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 29; Blue Jay, 51; Am. Crow, 8; Black-capped Chickadee, 99; Tufted Titmouse, 21; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 3; Brown Creeper, 3; Am. Robin, 3; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1 (at feeding station—Mr. and Mrs. H. S.); Cedar Waxwing, 33; Common Starling, 549; House Sparrow, 614; Purple Grackle, 3; Cardinal, 107; Am. Goldfinch, 85; Slate-colored Junco, 116; Am. Tree Sparrow, 310; Song Sparrow, 9. **Total,** 46 species; 2691 individuals.—Ralph W. Dexter (compiler), Mr. and Mrs. Paul Douglas, Carlin Gibbs, Mrs. E. R. Gibson, Stanley Guise, Frances Harshbarger, Mrs. Paul Hughey, Mrs. Donato Internoscia, Mrs. John Liska, John Roetzel, Marie Roetzel, Fred Ruckman, Howard L. Rupert, Harlan Sisler, Fred Smith, Martin Smith, Mr. and Mrs. Fred Staiger, James Thorpe (Cuyahoga Falls–Akron Audubon Club).

237. Dayton, Ohio (approximately same area and habitats as in recent years).—Dec. 27; 7 a.m. to 6 p.m. Overcast, clearing by 10 a.m.; temp. 21° to 43°; wind S to SE, average 10 m.p.h.; ground bare; streams largely and lakes entirely icebound. Forty-two observers in 14 parties. Total party-hours, 69 (56 on foot, 13 by car); total party-miles, 204 (53 on foot, 151 by car). Pied-billed Grebe, 1; Great Blue Heron, 5; Black-crowned Night Heron, 5; Mallard, 54; Black Duck, 56; Wood Duck, 1; Am.

Golden-eye, 2; Am. Merganser, 3; Cooper's Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Sparrow Hawk, 11; Bob-white, 163; Ring-necked Pheasant, 17; Killdeer, 5; Mourning Dove, 139; Screech Owl, 4; **Horned Owl,** 1; Belted Kingfisher, 22; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 7; Hairy Woodpecker, 14; Downy Woodpecker, 133; Horned Lark, 10; Blue Jay, 21; Am. Crow, 1220; Black-capped Chickadee, 41 (C.O.H.); Carolina Chickadee, 203; Tufted Titmouse, 262; White-breasted Nuthatch, 46; Red-breasted Nuthatch, 1; Brown Creeper, 34; Winter Wren, 10; Carolina Wren, 34; Mockingbird, 11; Brown Thrasher, 2; Am. Robin, 5; Golden-crowned Kinglet, 20; Water Pipit, 1 (H.T.); Common Starling, 45,221 (42,000 at roost); Myrtle Warbler, 4; House Sparrow, 21,356 (20,000 at roost); Eastern Meadowlark, 13; Purple Grackle, 1; Brown-headed Cowbird, 31; Cardinal, 339; Purple Finch, 1; Am. Goldfinch, 7; Eastern Towhee, 1; Slate-colored Junco, 542; Am. Tree Sparrow, 160; White-throated Sparrow, 3; Swamp Sparrow, 6; Song Sparrow, 101. **Total,** 54 species; 70,390 (62,000 at roost) individuals. House Sparrow and Starling roost in center of city; Shawen roost abandoned.—M. Anthony, D. Beach, Mr. and Mrs. F. Betz, S. Bickham, Mr. and Mrs. B. J. Blincoe (compilers), C. Breish, N. Bright, R. Boge, R. Bowers, D. Dover, D. Eickenbary, K. Erd, G. Gerlaugh, E. Grill, C. Hadeler, C. Hess, D. Hess, C. O. Horst, W. Horst, Mr. and Mrs. R. James, H. Kirk, J. Koestner, J. Lambert, G. Lehman, N. Lewis, K. Meyers, E. Peltier, O. Rogers, E. Ruhl, R. Scott, E. Shawen, R. Seibert, Mr. and Mrs. G. Siebenthaler, B. H. Smith, D. Somers, A. Tuhey, H. Tweedie, C. Westendorf (Dayton Audubon Society).

238. Delaware, Ohio (area somewhat different from former years; includes only Delaware Reservoir Wildlife Area; weedy fields 50%, plowed fields 1%, lake shore [largely mud flats] 24%, woodland 15%, stream border 10%).—Dec. 26; 8:15 a.m. to 5 p.m. Mostly cloudy, few snow flurries; temp. 20° to 36°; wind SW to W, 10-20 m.p.h.; ground bare, frozen; lake closed except for 2 small openings, streams mostly closed. Sixteen observers in 5 parties. Total party-hours, 36 (all on foot); total party-miles, 34 (all on foot). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 4; Black Duck, 20; merganser (sp.), 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 7; Bob-white, 121; Ring-necked Pheasant, 21; Wilson's Snipe, 1; Mourning Dove, 23; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 71; Horned Lark, 22; Blue Jay, 36; Am. Crow, 5; Carolina Chickadee, 55; Tufted Titmouse, 93; White-breasted Nuthatch, 46; Brown Creeper, 10; Winter Wren, 4; Carolina Wren, 1; Golden-crowned Kinglet, 12; Common Starling, 342 (250±50, 92); House Sparrow, 107 (95±10, 12); Eastern Meadowlark, 11; Cardinal, 133; Purple Finch, 2; Am. Goldfinch, 44; Slate-colored Junco, 113; Am. Tree Sparrow, 1104; Field Sparrow, 1 (pink bill clearly seen—R.A.S.); White-crowned Sparrow, 2 (observed at close range with 8x glasses —T.C.D.); White-throated Sparrow, 1; Swamp Sparrow, 9; Song Sparrow, 118. **Total,** 43 species; about 2568 individuals.—G. W. Cox (compiler), K. Danter, Janet Dunham, P. B. Dunham, T. C. Dunham, C. G. Cavanie, J. H. Lancaster, R. H. Ross, Jr., J. L. Shover, R. J. Smith, W. D. Stull, D. A. Suthers, Mrs. D. A. Suthers, R. A. Suthers, D. M. Triplehorn, H. H. Wyss, Jr.

239. Hamilton, Ohio (same area as in past 34 years; open farmland 40%, wood patches 40%, weedy fields 15%, Miami River 5%).—Jan. 1; 8:30 a.m. to 5 p.m. Temp. 36° to 50°; wind W, 20 m.p.h. Two observers in 1 party. Total hours, 8½ (5½ on foot, 3 by car), total party-miles, 38 (11 on foot, 27 by car). Great Blue Heron, 2; Mallard, 120; Black Duck, 78; Pintail, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 10; Killdeer, 2; Mourning Dove, 85; Belted Kingfisher, 5; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 4; Blue Jay, 2; Am. Crow, 304; Carolina Chickadee, 45; Tufted Titmouse, 51; Brown Creeper, 6; Carolina Wren, 8; Mockingbird, 1; Eastern Bluebird, 4; Cedar Waxwing, 40; Common Starling, 330; House Sparrow, 276; Eastern Meadowlark, 24; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 118; Am. Goldfinch, 62; Slate-colored Junco, 114; Am. Tree Sparrow, 92; Field Sparrow, 3; Song Sparrow, 42. **Total,** 36 species; 1859 individuals. Robins, which are usually found, were conspicuous by their absence.—Frank Harbaum (compiler), Willis Harbaum.

240. Indian Lake (Logan Co.), Ohio (7 miles of coverage in all directions from center of Indian Lake; lake and swampy margins 25%, swamp forests 10%, ponds and small stream borders 10%, oak woods 20%, prairie farms 35%).—Dec. 31; 7:30 a.m. to 5:30 p.m. Heavy overcast, clearing at 3 p.m.; temp. 24° to 33°; wind W to NW, 15-30 m.p.h.; ground bare; deepest 1/3 of lake open, most other waters frozen. Birds inactive due to wind. Two observers mostly in 2 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 104 (14 on foot, 90 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 12; Mallard, 791; Black Duck, 498; Green-winged Teal, 2; Lesser Scaup, 1; Am. Golden-eye, 10; Buffle-head, 3; Am. Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 4; European Partridge, 4; Bob-white, 8; Ring-necked Pheasant, 1; Am. Coot, 1; Herring Gull, 8; Mourning Dove, 28; Barn Owl, 1; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 9; Horned Lark, 2; Blue Jay, 16; Am. Crow, 5; Carolina Chickadee, 17; Tufted Titmouse, 10; White-breasted Nuthatch, 13; Brown Creeper, 9; Bewick's Wren, 1 [no details—Ed.]; Carolina Wren, 2; Golden-crowned Kinglet, 6; Common Starling, 360; House Sparrow, 570; Eastern Meadowlark, 1; Red-

winged Blackbird, 6; Rusty Blackbird, 2; Purple Grackle, 5; Brown-headed Cowbird, 12; Cardinal, 41; Am. Goldfinch, 18; Slate-colored Junco, 21; Am. Tree Sparrow, 176; Field Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 22. **Total,** 54 species; 2732 individuals. Note the absence of Sparrow Hawks and thrushes.—Audrey Claugus (compiler), Lawrence E. Hicks.

241. Lakewood, Ohio (Lake Erie shore from Edgewater Park to Wagar Park; Clague Park, Olmstead Falls, Rocky River Metropolitan Park from mouth of river to Brookpark Bridge; lakefront 16%, suburban areas 16%, floodplain forest 65%, suburban park 3%).—Dec. 27; 8 a.m. to 5 p.m. Mostly sunny; temp. 31° to 40°; wind W, 1-7 m.p.h.; ground slightly muddy; no snow cover; Rocky River partly frozen near mouth, all other water open. Sixteen observers in 3 parties. Total party-hours, 15½ (14½ on foot, 1 by car); total party-miles, 42 (20 on foot, 22 by car). Horned Grebe, 1; Mallard, 34; Black Duck, 6; Redhead, 3; Lesser Scaup, 4157; Am. Golden-eye, 128; Buffle-head, 3; Ruddy Duck, 109; Am. Merganser, 9; Red-breasted Merganser, 21; Red-shouldered Hawk, 1; Ring-necked Pheasant, 11; Killdeer, 1 (seen at close range—M.O.D.); Herring Gull, 1085; Ring-billed Gull, 1600; Bonaparte's Gull, 787; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 23; Blue Jay, 34; Am. Crow, 53; Black-capped Chickadee, 33; Tufted Titmouse, 25; White-breasted Nuthatch, 23; Brown Creeper, 5; Carolina Wren, 1; Am. Robin, 3; Golden-crowned Kinglet, 8; Cedar Waxwing, 58; Common Starling, 96; House Sparrow, 112; Cardinal, 32; Purple Finch, 4; Am. Goldfinch, 10; Slate-colored Junco, 91; Am. Tree Sparrow, 25; **Field Sparrow,** 3 (pink bill very evident; no spot on breast—M.O.D., D.W.); Song Sparrow, 28. **Total,** 39 species; 8626 individuals.(Seen in area Dec. 26: Red-breasted Nuthatch, 2.)—Ruth Austed, Carl Baier, Mr. and Mrs. Don Berendsen, Karen Berendsen, Don Berendsen, Jr., Mrs. Owen J. Davies, Myron Owen Davies, H. C. Dobbins, Florence Gray, Phil Meyer, Joseph Nagle, Carol Stover, Mr. and Mrs. Fred J. Stover, Daniel F. Waugh.

242. Lancaster, Ohio (3-mile radius centering on Broad and Main Sts.; same route as previous 28 years; farmland 19%, deciduous woods 20%, stream banks 31%, city suburbs 30%).—Jan. 3; 7:45 a.m. to 4:45 p.m. Overcast; temp. 36° to 38°; wind W to SW, 8-10 m.p.h.; ground bare; streams open. Six observers in 4 parties. Total party-hours, 27 (on foot); total party-miles, 41 (on foot). Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 7; Mourning Dove, 9; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 53; Horned Lark, 3; Blue Jay, 9; Am. Crow, 1; Carolina Chickadee, 52; Tufted Titmouse, 32; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 11; Am. Robin, 5; Eastern Bluebird, 10; Golden-crowned Kinglet, 1; Cedar Waxwing, 21; Common Starling, 272; House Sparrow, 346; Eastern Meadowlark, 4; Purple Grackle, 1; Cardinal, 122; Slate-colored Junco, 145; Am. Tree Sparrow, 103; Song Sparrow, 47. **Total,** 32 species; 1296 individuals.—Florence Branum, Chas. R. Goslin (compiler), Tom Guisinger, Paul J. Miller, Larry Poling, Phillip Shaeffer.

243. Marietta, Ohio (coverage of both banks of the lower 15 miles of the Muskingum River from Beverly to Marietta and adjacent highly dissected and eroded uplands of the Mount Emerson Area; river and banks 20%, river floodplain 15%, small stream valleys 15%, oak and mixed deciduous woods 20%, pine and juniper 10%, eroded uplands reverting to brush and woods 10%, summit farms 10%).—Jan. 3; 7:30 a.m. to 5:30 p.m. Extremely heavy overcast; temp. 30° to 41°; wind SW, 10-20 m.p.h.; ground bare; all waters unfrozen. Birds very inactive due to wind and semi-darkness. Two observers mostly in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 72 (12 on foot, 60 by car). Horned Grebe, 3; Pied-billed Grebe, 7; Mallard, 51; Black Duck, 389; Lesser Scaup, 5; Hooded Merganser, 29; Am. Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 10; Ruffed Grouse, 4; Bob-white, 9; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 2; Blue Jay, 7; Am. Crow, 9; Carolina Chickadee, 13; Tufted Titmouse, 9; White-breasted Nuthatch, 9; Brown Creeper, 3; Carolina Wren, 3; Golden-crowned Kinglet, 6; Cedar Waxwing, 14; Common Starling, 973; House Sparrow, 306; Red-winged Blackbird, 3; Purple Grackle, 1; Brown-headed Cowbird, 6; Cardinal, 88; Am. Goldfinch, 3; Slate-colored Junco, 74; Am. Tree Sparrow, 29; Song Sparrow, 46. **Total,** 44 species; 2153 individuals. One of the Horned Owls near dusk made a strike at a Black Duck.—Henry Schuer (compiler), Lawrence E. Hicks.

244. Mohican State Forest, Ohio (Mohican Forest, Pleasant Hill Lake, and Black and Clear Forks south to their juncture; beech-hemlock forest 65%, upland hardwood forest 5%, cultivated fields 5%, lowland hardwood forest 15%, lake shores 10%).—Jan. 3; 8:30 a.m. to 5:30 p.m. Overcast, light rain showers; temp. 36° to 39°; wind N to NW, max. 32 m.p.h.; lake 60% ice-covered, no snow, streams open. Five observers in 4 parties. Total party-hours, 37 (35 on foot, 2 by car); total party-miles, 75 (35 on foot, 40 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Mallard, 1300 (est.); Black Duck, 450 (est.); Pintail, 3; Canvas-back, 3; Lesser Scaup, 2; Am. Golden-eye, 17; Old-squaw, 2; Am. Merganser, 6; Cooper's Hawk, 2; Red-tailed Hawk, 2; Bald Eagle, 2; Marsh Hawk, 2; Ruffed Grouse, 5; Bob-white, 18; Ring-necked Pheasant, 5; Mourning Dove, 26; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 8; Pileated Woodpecker, 5; Red-bellied Woodpecker, 12; Hairy Woodpecker, 10;

Downy Woodpecker, 24; Blue Jay, 21; Am. Crow, 1; Black-capped Chickadee, 2; Carolina Chickadee, 43; Tufted Titmouse, 33; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 10; Brown Creeper, 11; Winter Wren, 2; Carolina Wren, 5; Am. Robin, 120; Eastern Bluebird, 30; Golden-crowned Kinglet, 41; Cedar Waxwing, 1; Common Starling, 20; Myrtle Warbler, 5; House Sparrow, 136; Eastern Meadowlark, 1; Cardinal, 58; Purple Finch, 29; Pine Siskin, 100±; Am. Goldfinch, 86; Slate-colored Junco, 186; Am. Tree Sparrow, 232; Field Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 16. **Total,** 52 species; about 3123 individuals.—James A. Bruce (compiler), Burton C. Kahl, S. M. Martin, Paul A. Stewart, Joe Yeagle.

245. Oxford, Ohio (7½-mile radius from center of Oxford; area covered essentially same as previous years, with routes altered somewhat; wooded areas along streams 75%, open fields and farmlands 25%). —Dec. 28; 8:30 a.m. to 5:30 p.m. Overcast, breaking in late p.m.; temp. 34° to 40°; wind WSW, 5-10 m.p.h.; ground clear; water frozen over, streams very low. Fifteen observers in 4 parties. Total party-hours, 26 (23 on foot, 3 by car); total party-miles, 56 (26 on foot, 30 by car). Mallard, 2; Lesser Scaup, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 5; Bob-white, 46 (4 coveys); Ring-necked Pheasant, 5; Killdeer, 1; Mourning Dove, 107; Short-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 23; Hairy Woodpecker, 4; Downy Woodpecker, 103; Horned Lark, 8; Blue Jay, 4; Am. Crow, 213; Carolina Chickadee, 123; Tufted Titmouse, 76; White-breasted Nuthatch, 21; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 2; Common Starling, 188; House Sparrow, 543; Eastern Meadowlark, 6; Cardinal, 216; Am. Goldfinch, 2; Eastern Towhee, 1; Slate-colored Junco, 290; Am. Tree Sparrow, 464; Field Sparrow, 11; White-crowned Sparrow, 2; Song Sparrow, 133. **Total,** 39 species; 2646 individuals. (Seen in area Dec. 27: Turkey Vulture, 9.)—D. W. Bergstrom, Mr. and Mrs. M. W. Boesel, Carl Boesel, Harold Brown, Conrad Fruehan, Walter Gillespie, Mr. and Mrs. R. A. Hefner, James Hennigar, Paul Hersey, David Hill, L. B. Hunt, E. M. Ingersoll, R. L. Strecker (compiler).

246. Portsmouth, Ohio (same area as last year). —Dec. 26; 7:30 a.m. to 5 p.m. Clear in a.m., cloudy in p.m.; temp. 28° to 35°; wind W to NW, 6-8 m.p.h. Eight observers in 2 parties. Total party-hours, 19; total party-miles, 46 (10 on foot, 36 by car). Common Loon, 1; Mallard, 12; Black Duck, 13; Pintail, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 12; Bob-white, 50; Barn Owl, 1; Screech Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 44; Horned Lark, 15; Blue Jay, 21; Am. Crow, 80; Carolina Chickadee, 38; Tufted Titmouse, 43; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 29; Am. Robin, 2; Eastern Bluebird, 32; Golden-crowned Kinglet, 8; Common Starling, 260; Myrtle Warbler, 6; **Pine Warbler,** 1 (observed at very close range—E.C.H., P.L.D.); House Sparrow, 210; Eastern Meadowlark, 152; Purple Grackle, 5; Cardinal, 190; Am. Goldfinch, 72; Eastern Towhee, 5; Slate-colored Junco, 157; Am. Tree Sparrow, 70; Chipping Sparrow, 46 (seen pretty close together; observers positive of identification—E.C.H., P.L.D.); Field Sparrow, 13; White-crowned Sparrow, 1; Song Sparrow, 121. **Total,** 47 species; 1778 individuals. (Seen in area Dec. 27: Mourning Dove, 10.)—Earl C. Hayes, Sr., James S. Donaldson, Paul L. Doyle, Marie Trowbridge, Elsie Knighton, Harry S. Knighton, W. David Schisler, Conrad Roth (compiler).

247. Salem, Ohio (same coverage as in past years plus Westville Lakes and Garfield peat bogs; center moved 2½ miles to the west to avoid overlapping Youngstown area; open marsh and farmland 10%, lake shore 10%, brushland 10%, wooded valley of beech-maple-hemlock climax forest 70%).—Jan. 3; 7:30 a.m. to 5 p.m. Stratocumulus overcast; temp. 39° to 29°; wind NW, 4-7 m.p.h.; ground bare; Beaver Creek open, lakes and marshes partly ice-covered. Six observers in 4 parties. Total party-hours, 26 (24 on foot, 2 by car); total party-miles, 57 (31 on foot, 26 by car). Mallard, 12; Black Duck, 2; diving duck (sp.), 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 14; Ring-necked Pheasant, 1; Mourning Dove, 51; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 10; Hairy Woodpecker, 23; Downy Woodpecker, 38; Horned Lark, 2; Blue Jay, 10; Am. Crow, 6; Black-capped Chickadee, 33; Carolina Chickadee, 5; Tufted Titmouse, 56; White-breasted Nuthatch, 34; Brown Creeper, 11; Winter Wren, 1; Carolina Wren, 2; **Long-billed Marsh Wren,** 1; Am. Robin, 2; Golden-crowned Kinglet, 14; Common Starling, 102; House Sparrow, 141; Cardinal, 80; **Am. Goldfinch,** 95; Eastern Towhee, 2; Slate-colored Junco, 56; **Oregon Junco,** 3 (2 previously seen Dec. 6; carefully distinguished from immature Slate-colored Juncos; rusty back and sides and very dark heads noted—R.A.B.); Am. Tree Sparrow, 277; Field Sparrow, 2; **Swamp Sparrow,** 10; Song Sparrow, 55. **Total,** 46 species; 1193 individuals.—William C. Baker, Roy A. Booth, Edward C. Kirk, Raymond O. Marshall, Lyle D. Miller, G. W. Richter.

248. Steubenville (Jefferson Co.), Ohio (same 4 areas within 15-mile diameter circle, but with more extensive coverage this year; deciduous woods 41%, farmland 22%, pine woods 6%, brushy fields 16%, swampy woods 7%, bottomland along streams 5%, urban 3%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Mostly clear, few clouds; temp. 18° to 36°; wind E to S,

2-10 m.p.h. Eighteen observers in 4 to 7 parties (4 parties out all day and 7 parties part time; parties started and finished at different times). Total party-hours, 39 (on foot); total party-miles, 40 (on foot). Mallard, 6; Black Duck, 3; Hooded Merganser, 3; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 9; Bob-white, 15; Long-eared Owl, 1; Belted Kingfisher, 4; Pileated Woodpecker, 11; Red-bellied Woodpecker, 12; Hairy Woodpecker, 2; Downy Woodpecker, 70; Horned Lark (Prairie), 22; Blue Jay, 5; Am. Crow, 3; Carolina Chickadee, 105; Tufted Titmouse, 59; White-breasted Nuthatch, 19; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 26; Golden-crowned Kinglet, 4; Cedar Waxwing, 22; Common Starling, 347; House Sparrow, 457; Cardinal, 151; Am. Goldfinch, 32; Slate-colored Junco, 215; Am. Tree Sparrow, 250; Field Sparrow, 9; Song Sparrow, 65. **Total,** 33 species; 1937 individuals. (Seen in count area during week: Pied-billed Grebe, 3; Screech Owl, 2.)—Clinton S. Banks (compiler), Elizabeth Banks, Richard C. Banks, Dave Borden, Eleanor Dailey, R. L. Dailey, Vera Dailey, Bertha Graul, Harry Graul, Lila Huhtala, Robert McCullough, Ronald McKee, Don Rarey, Albert R. Tenney, Lois Lee Tenney, Floyd Wells, Mabel Wells, Richard Wells (The Forest Audubon Club).

249. Sugar Grove, Ohio (same locality as last 9 years; about 850 acres in the unglaciated Appalachian Plateau; Hocking River and Clear Creek bottoms and adjacent uplands; open bottomlands 42%, mixed upland woodland 19%, old-field pine scrub 13%, mixed scrub 7%, southern yellow pine woods 6%, hemlock forest 5%, village 5%, country estate 3%).—Dec. 27; 7:30 a.m. to 3:30 p.m. Partly cloudy; temp. 24° to 42°; wind light; ground bare, firm. Thirty-one observers in 5 parties, these in turn subdividing. Total party-hours, 119 (on foot); total party-miles, 121 (on foot). Mallard, 30; Black Duck, 2; Turkey Vulture, 11; Black Vulture, 14; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 7; Bob-white, 32; Ring-necked Pheasant, 1; Mourning Dove, 34; Belted Kingfisher, 7; Yellow-shafted Flicker, 34; Pileated Woodpecker, 17; Red-bellied Woodpecker, 40; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 20; Downy Woodpecker, 125; Horned Lark, 3; Blue Jay, 57; Am. Crow, 6; Carolina Chickadee, 251; Tufted Titmouse, 182; White-breasted Nuthatch, 49; Red-breasted Nuthatch, 27; Brown Creeper, 29; Winter Wren, 7; Carolina Wren, 53; Am. Robin, 77; Hermit Thrush, 22; Eastern Bluebird, 145; Golden-crowned Kinglet, 159; Loggerhead Shrike, 1; Common Starling, 186; Myrtle Warbler, 44; House Sparrow, 868; Eastern Meadowlark, 12; Red-winged Blackbird, 1; Rusty Blackbird, 1; Brown-headed Cowbird, 14; Cardinal, 334; Purple Finch, 42; Pine Siskin, 45; Am. Goldfinch, 255; Eastern Towhee, 7; Slate-colored Junco, 566; Am. Tree Sparrow, 337; Field Sparrow, 2; White-crowned Sparrow, 1; White-throated Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 249. **Total,** 52 species; 4425 individuals.—D. F. Baker, C. F. Bateman, A. C. Borror, D. J. Borror, H. E. Burtt, A. H. Claugus, G. Cox, F. A. Gilbert, G. E. Gilbert, W. Gilbert, C. R. Goslin, L. E. Hicks, W. K. Jones, Winn Jones, R. Kavanagh, A. S. Kiefer, L. Kitz, E. Limes, H. Paul, E. E. Postle, C. R. Reese, I. B. Rickly, C. H. Shaw, J. Shover, R. Suthers, P. A. Stewart, E. S. Thomas (compiler), J. S. Thomas, D. Triplehorn, G. S. Wolfram, E. Work, Jr. (Wheaton Club, members and guests).

250. Toledo, Ohio (5 miles of Swan Creek valley, 5 miles of Ottawa River valley, isolated forests northeast of city, edge of Cedar Point marsh, 1 mile of Maumee River all in Ohio and Erie Marsh, Mich. The Erie Marsh contains a large flowing mineral spring; open water 5%, cultivated fields 5%, cattail marsh edge 20%, open deciduous forest 70%).—Dec. 27; 6 a.m. to 6 p.m. 25% possible sunshine; temp. 25° to 40°; wind SW, 10-24 m.p.h.; no snow; marshes and parts of Maumee River and bay frozen. Thirty-one observers in 7 parties. Total party-hours, 49 (47 on foot, 2 by car); total party-miles, 45 (35 on foot, 10 by car). Great Blue Heron, 12; Black-crowned Night Heron, 45; Canada Goose, 59; Mallard, 8500; Black Duck, 4200; Pintail, 6; Wood Duck, 1; Lesser Scaup, 1620; Am. Golden-eye, 116; Buffle-head, 2; Ruddy Duck, 51; Hooded Merganser, 1; Am. Merganser, 900; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 20; Sparrow Hawk, 6; Bob-white, 1; Ring-necked Pheasant, 143; **Sora** 1 (Mayfield); Am. Coot, 14; Killdeer, 4; Red-backed Sandpiper, 2; Great Black-backed Gull, 8; Herring Gull, 2032; Ring-billed Gull, 3903; Bonaparte's Gull, 4550; Mourning Dove, 31; Barn Owl, 12; Screech Owl, 5; Horned Owl, 2; Barred Owl, 2; Long-eared Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 97; Horned Lark, 98; Blue Jay, 117; Am. Crow, 94; Black-capped Chickadee, 35; Tufted Titmouse, 51; White-breasted Nuthatch, 41; Red-breasted Nuthatch, 7; Brown Creeper, 18; Winter Wren, 7; Carolina Wren, 6; Long-billed Marsh Wren, 1; Am. Robin, 3; Hermit Thrush, 1; Golden-crowned Kinglet, 13; Cedar Waxwing, 57; Loggerhead Shrike, 2; Common Starling, 562; Myrtle Warbler, 7; House Sparrow, 1891; Eastern Meadowlark, 2; Red-winged Blackbird, 393; Rusty Blackbird, 20; Purple Grackle (Bronzed), 35; Brown-headed Cowbird, 8; Cardinal, 288; Purple Finch, 91; Pine Siskin, 35; Am. Goldfinch, 128; Eastern Towhee, 7; Slate-colored Junco, 379; Am. Tree Sparrow, 605; White-throated Sparrow, 25; Fox Sparrow, 3; Swamp Sparrow, 90; Song Sparrow, 172; Lapland Longspur, 51; Snow Bunting, 27. **Total,** 79 species; 31,762 individuals. (Seen in area same day by non-census taker: Rough-legged Hawk, 3; out of area: Red-bellied Woodpecker, 1; in area Dec. 28: Snowy Owl, 1.)—Harold Mayfield, John McCormack, Lawrence Hiett, James Nessle, John Stophlet, Earnest Weaver, Jr., Dr. Miriam Bell, Charles Prestin, Adeline German, Iris and James Hallaver, Doris and Don Van Buskirk, Violet and John Murphy, Bob Crofts, Cy Greenhill, John Harris, Lou Kleiner, Robert and Seymour Van Gundy, Seymour Holloway, Russel Burget, Joe Sweeney, Lee Garling, Dennis Ginzman,

Dave Heck, Robert Hayman, Laurel Van Camp, Mike Smith, Lou Campbell (compiler) (Toledo Naturalists Association).

251. Utica, Ohio (South Lane Farm of 345 acres upland; same locality as last 4 years; beech-maple climax forest 55%, open farmland 15%, brushy thickets 15%, lowland 15%).—Jan. 2; 7:30 a.m. to 5:30 p.m. Clear; temp. 32° to 55°; wind SW, 10-20 m.p.h.; ground bare; water frozen except parts of small streams. Six observers in 5 parties. Total party-hours, 48 (36 on foot, 12 by car); total party-miles, 185 (48 on foot, 137 by car). Sharp-shinned Hawk, 4; Cooper's Hawk, 4; Red-tailed Hawk, 20; Red-shouldered Hawk, 4; Rough-legged Hawk, 1 (black); Marsh Hawk, 9; **Pigeon Hawk,** 1 (side of head, bars in tail, general coloration, and peculiarities of flight all noted—L.E.H.); Sparrow Hawk, 18; **European Partridge,** 8 (observed at 12-15 ft.—C.R.W., A.H.C.); Bob-white, 169 (14 coveys); Ring-necked Pheasant, 3; Am. Woodcock, 1 (H.W.S.); Wilson's Snipe, 1; Mourning Dove, 35; Barn Owl, 1; Screech Owl, 2; Horned Owl, 5; Barred Owl, 5; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 25; Pileated Woodpecker, 2; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 21; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 41; Downy Woodpecker, 84; Eastern Phoebe, 1 (wintering —Mrs. C.R.W.); Horned Lark, 62; Blue Jay, 67; Am. Crow, 4; Carolina Chickadee, 93; Tufted Titmouse, 163; White-breasted Nuthatch, 110; Red-breasted Nuthatch, 1; Brown Creeper, 16; Winter Wren, 6; Carolina Wren, 8; Mockingbird, 1; Am. Robin, 15; Hermit Thrush, 1; Eastern Bluebird, 71; Golden-crowned Kinglet, 18; Common Starling, 754; Myrtle Warbler, 2; House Sparrow, 1240; Eastern Meadowlark, 58; Red-winged Blackbird, 24; Rusty Blackbird, 41; Brown-headed Cowbird, 16; Cardinal, 142; Purple Finch, 5; Am. Goldfinch, 53; Eastern Towhee, 19; Slate-colored Junco, 168; Am. Tree Sparrow, 595; Field Sparrow, 7 (J.A.B., Mrs. C.R.W.); White-crowned Sparrow, 1 (imm.—Mrs. C.R.W.); White-throated Sparrow, 4; Swamp Sparrow, 6; Song Sparrow, 143; Snow Bunting, 1. **Total,** 62 species; 4429 individuals. (Seen in area Dec. 29-30: Peregrine Falcon, 1; Dec. 19: Oregon Junco, 1 with crippled leg; Jan. 4: Oregon Junco, 1 uninjured; Jan. 3: Purple Grackle, 27; Dec. 30: Pine Siskin, 1; Jan. 4: Short-eared Owl, 1.)—James A. Bruce, A. H. Claugus, L. E. Hicks, H. W. Schuer, C. R. Wagner, Mrs. C. R. Wagner (compiler).

252. Van Wert, Ohio (same area as previously; open farmland 58%, deciduous swamp forest 40%, farm yards 2%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy; temp. 30° to 36°; wind W to NW, 15-17 m.p.h.; creeks and reservoir frozen. Ten observers in 5 parties. Total party-hours, 57 (49 on foot, 8 by car); total party-miles, 153 (73 on foot, 80 by car). Red-tailed Hawk, 1; Marsh Hawk, 1; Mourning Dove, 5; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 5; Red-headed Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 5; Blue Jay, 1; Am. Crow, 7; Black-capped Chickadee, 4; Tufted Titmouse, 6; White-breasted Nuthatch, 11; Common Starling, 195; House Sparrow, 316; Cardinal, 1; Slate-colored Junco, 2; Field Sparrow, 9 (J.F.W.); Song Sparrow, 16. **Total,** 21 species; 606 individuals.—Arthur S. Brooks (compiler), E. C. Feigert, Ellyn Feigert, Don Shaw, Don Shaw, Jr., Denton Stetler, Merle Wallace, J. Fred Williams, Don Williams, Verne Wortman (Upper Maumee Valley Naturalists Club).

253. Warren (Trumbull Co.), Ohio 7½-mile radius centering on Main and Market Sts.; same area as last 4 years; marsh 10%, water 10%, pasture 10%, plowed land 10%, town suburbs 30%, woodlots 30%).—Jan. 2; 8 a.m. to 6:10 p.m. Clear, sunny; temp. 30° to 50°; wind gusty, 25-38 m.p.h.; dry fall, open weather; water in open frozen 5 inches; snow in protected places. Forty observers in 14 parties. Total party-hours, 62½ (50 on foot, 12½ by car); total party-miles, 130 (20 on foot, 110 by car). Canada Goose, 1000 (est.); Mallard, 50; Black Duck, 300; Marsh Hawk, 5; Sparrow Hawk, 2; Bob-white, 54; Ring-necked Pheasant, 14; Mourning Dove, 9; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Hairy Woodpecker, 10; Downy Woodpecker, 37; Blue Jay, 131; Am. Crow, 98; Black-capped Chickadee, 73; Tufted Titmouse, 75; White-breasted Nuthatch, 42; Brown Creeper, 7; Winter Wren, 2; Am. Robin, 2; Ruby-crowned Kinglet, 12 (no gold seen on crown—C.R.); Cedar Waxwing, 18; Common Starling, 732; House Sparrow, 1007; Rusty Blackbird, 25; Cardinal, 72; Pine Siskin, 15; Am. Goldfinch, 31; Slate-colored Junco, 164; Am. Tree Sparrow, 192; Field Sparrow, 10; Song Sparrow, 41; Snow Bunting, 8. **Total,** 36 species; 4255 individuals.—Wm. Brown, Helen Moran, Almon Rood, Caroline Rowland, Georgene Smith (compiler), Doris Wilson, Isla Wilder, Gertrude White, Ada Williams, Martha Wise, Mrs. Russel Brumbaugh, Alta Bates, Mrs. W. E. Booher, Mrs. Donald Clark, Phil S. Corbin, Mrs. A. G. Cochran, Mrs. Charles Cooper, Sr., Mrs. Grover Culver, Mrs. Horace Fox, Sol. Gifford, Mrs. Laura Hardwidge, William Holbert, Mrs. Harmon Howland, Mrs. Mary Knapp, Mrs. Jos. Leiby, Mrs. George McClain, Terry Orr, Mrs. H. Pritchard, Larry Ruddy, Mrs. Fred Smith, Jr., Mrs. W. T. Smith, Mrs. Robt. Shank, Mrs. Mary Wannamaker, Mrs. J. A. Wineland, James, Enola, and David Wilson, Mrs. V. E. Baldwin, Mrs. C. K. Walker, Howland Girl Scouts (Trumbull Bird and Nature Club and friends).

254. Wooster, Ohio (Secrest Arboretum, Killbuck Valley from Funk's Hollow south to Holmes Co. [Tea Run], west to Jerome Fork and east to Apple Creek; evergreen plantations 5%, hemlock-beech forest 5%, fields 10%, roadsides 25%, swamp forest 40%, upland forests 10%, cattail marsh 5%). —Dec. 26; 7:30 a.m. to 5:30 p.m. Clear, becoming overcast early in day; temp. 32° to 38°; wind SW to NW, maximum 35 m.p.h.; ponds, streams, and marshes entirely ice-covered; no snow. Fifteen observers in 8 parties. Total party-hours, 64 (59 on foot, 5 by car); total party-miles, 132 (48 on foot,

84 by car). Great Blue Heron, 1; Mallard, 6; Black Duck, 5; Cooper's Hawk, 4; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 1; Bob-white, 18; Ring-necked Pheasant, 19; Killdeer, 8; **Wilson's Snipe,** 1; Mourning Dove, 76; Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 40; Pileated Woodpecker, 2; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 10; Hairy Woodpecker, 29; Downy Woodpecker, 130; Horned Lark, 52; Blue Jay, 94; Am. Crow, 53; Carolina and Black-capped Chickadees, 152;; Tufted Titmouse, 96; White-breasted Nuthatch, 87; Red-breasted Nuthatch, 8; Brown Creeper, 6; Winter Wren, 6; Carolina Wren, 16; Am. Robin, 6; Eastern Bluebird, 82; Golden-crowned Kinglet, 14; Cedar Waxwing, 44; Common Starling, 614; Myrtle Warbler, 11; House Sparrow, 932; Eastern Meadowlark, 32; Red-winged Blackbird, 264; Rusty Blackbird, 5; Brown-headed Cowbird, 6; Cardinal, 192; Purple Finch, 23; Pine Siskin, 15; Am. Goldfinch, 430; Eastern Towhee, 1; Vesper Sparrow, 1 (A.S.); Slate-colored Junco, 145; Am. Tree Sparrow, 1095; Field Sparrow, 3; White-throated Sparrow, 6; Swamp Sparrow, 30; Song Sparrow, 75. **Total,** 57 species; about 5017 individuals. (Seen in area Dec. 20 by J. A. Bruce: White-crowned Sparrow, 2; Lapland Longspur, 1; Snow Bunting, 34.)—J. Arthur Beatty, Mrs. Dorothy Beatty, Joseph A. Beatty, James A. Bruce (compiler), Mrs. Ruth Dugan, Alma Frey, William Goslin, Fred Hofacre, Howard Kriebel, Donald Mann, Luella Martin, Alden Schaffter, Donald Shepard, Robert Sparr, Mrs. C. R. Wagner.

255. Youngstown, Ohio (same general area as covered for last 54 years; lakes and woods within a rough 7½-mile radius of the western edge of Youngstown; urban 15%, woods 30%, frozen lakes 15%, pasture and unused ground 40%).—Dec. 27; 7 a.m. to as late as 10 p.m. Clear and brilliantly sunny; temp. 24° to 34°; wind 0-5 m.p.h. Twenty observers in 9 parties. Total party-hours, 75 (60 on foot, 15 by car); total party-miles, 445 (125 on foot, 200 by car, 120 by plane). Horned Grebe, 5; Pied-billed Grebe, 2; Great Blue Heron, 2; Canada Goose, 452; Mallard, 447; Black Duck, 813; Pintail, 13; Green-winged Teal, 2; Redhead, 1; Am. Golden-eye, 16; Buffle-head, 2; Ruddy Duck, 6; Hooded Merganser, 16; Am. Merganser, 6; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 6; Peregrine Falcon, 1 (E.K., R.O.M.); Sparrow Hawk, 15; Bob-white, 39; Ring-necked Pheasant, 14; Am. Coot, 3; Killdeer, 1; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 106; Screech Owl, 2; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 5; Pileated Woodpecker, 5; Red-bellied Woodpecker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 69; Horned Lark, 34 (both Northern and Prairie identified); Blue Jay, 66; Am. Crow, 1544; Black-capped Chickadee, 72; Tufted Titmouse, 83; White-breasted Nuthatch, 52; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 18; Common Starling, 1198; **Orange-crowned Warbler,** 1 (V.P.M.); House Sparrow, 343; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 64; Purple Finch, 2; Am. Goldfinch, 87; Eastern Towhee, 1; Slate-colored Junco, 278; Am. Tree Sparrow, 465; Field Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 39; **Snow Bunting,** 1017. **Total,** 64 species (1 additional subspecies); 6466 individuals. —H. A. Johnson, Ed. O. Minich, Margaret Cook, Evan Dressel, Mr. and Mrs. Roy Booth, Ed Kirk, R. O. Marshall, Wm. Berman, J. R. Beeghly, Mr. and Mrs. Lloyd Dunbar, Lyle Miller, Dale Miller, Dr. William Richter, H. O. Heimerdinger, Frank F. Ferris, Cora Turner, Helen Culbertson, Vincent P. McLaughlin (compiler) (Grant M. Cook Bird Club and guests). (F. F. Ferris flew over all lakes counting ducks and geese, first time we ever used a plane!)

256. Charleston, W. Va. (15-mile diameter, including Kanawha River valley and adjacent hills from Marmet to Institute and Spring Hill, Elk River from its mouth to Big Chimney, Kanawha Airport and Coonskin Park, South Hills to Kanawha State Forest; open farmland and grassland 5%, urban 30%, deciduous woodland 30%, wooded bottomland and stream bank 35%).—Jan. 1; 6 a.m. to 5 p.m. Clear; temp. 38° to 50°; wind SW, 25-35 m.p.h.; ground bare. Twenty-three observers in 13 parties. Total party-hours, 69½ (46 on foot, 6½ by car, 17 at feeders); total party-miles, 140 (46½ on foot, 93½ by car). Pied-billed Grebe, 1; **Blue-winged Teal,** 4 (G.H.); Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 15; Ruffed Grouse, 2; Bob-white, 39 (4 coveys); Killdeer, 13; Wilson's Snipe, 3; Mourning Dove, 1; Screech Owl, 2; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 23; Eastern Phoebe, 2; Horned Lark, 25; Blue Jay, 31; Am. Crow, 44; Carolina Chickadee, 168; Tufted Titmouse, 103; White-breasted Nuthatch, 26; Brown Creeper, 2; Winter Wren, 4; Carolina Wren, 57; Mockingbird, 1; **Brown Thrasher,** 1 (R.F.N.); Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 35; Golden-crowned Kinglet, 2; Common Starling, 1937 (1925±12); Myrtle Warbler, 1; House Sparrow, 559; Eastern Meadowlark, 38; Brown-headed Cowbird, 1; Cardinal, 227; Purple Finch, 1; Am. Goldfinch, 139; Eastern Towhee, 38; Slate-colored Junco, 243; Am. Tree Sparrow, 33; **Chipping Sparrow,** 5 (A.C.C.); Field Sparrow, 68; White-crowned Sparrow, 1; White-throated Sparrow, 50; Fox Sparrow, 4; Swamp Sparrow, 14; Song Sparrow, 227. **Total,** 54 species; 4228 individuals.—Lucy Barber, Sarah C. Barber, Mrs. A. C. Clark, Hazel Cox, Mr. and Mrs. John Handlan, C. O. Handley, Sr., John M. Handley, Nell Henselwood, George F. Hurley, Stacy Jennings, Frank M. Johnson, Mrs. Marie Kantley, Truth Keely, Ura Keely, Dr. and Mrs. Robert D. Ketchum, Lillian McGurl, Gladys M. Murrey, Mrs. Ralph F. Norwood, Mrs. G. C. Porter, Mrs. W. W. Trent, Elinor Sims (Charleston Chapter, Brooks Bird Club).

257. Charles Town (Jefferson Co.), W. Va. (grounds and ponds of Federal Fish Hatchery, Leetown; pond and stream at Lake Louise Spring, along R.R. through Harewood, Peidmont and Altona Estates and Flowing Springs Meadow; small open-water ponds 10%, small stream banks 15%, weedy fields 15%, mature oak forests 15%, cattail marsh 20%, farm fields and fencerows 25%).—Dec. 30; 7:30 a.m. to 5 p.m. Cloudy, with short sunny periods; temp. 26° to 45°; wind WSW, calm, 3-5 m.p.h.; marshy ground frozen; streams and ponds open. Six observers in one party. Total hours, 9½ (8 on foot, 1½ by car); total miles, 32 (8 on foot, 24 by car). Mallard, 18; Turkey Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 17; Virginia Rail, 3; Killdeer, 9; Wilson's Snipe, 8; **Least Sandpiper,** 3 (observed at 30 ft.; present on same spring flat for 2 weeks prior to count); Belted Kingfisher, 6; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 4; Am. Crow, 5000+ (in continuous flight going to roost from 2 p.m. on); Carolina Chickadee, 13; Tufted Titmouse, 19; White-breasted Nuthatch, 4; Winter Wren, 2; Carolina Wren, 4; Mockingbird, 5; Am. Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Common Starling, 350+; House Sparrow, 43; Eastern Meadowlark, 1; Rusty Blackbird, 75; Purple Grackle, 67; Cardinal, 24; Am. Goldfinch, 87; Slate-colored Junco, 29; Am. Tree Sparrow, 107; Field Sparrow, 1; White-crowned Sparrow, 15; White-throated Sparrow, 5; Song Sparrow, 24. **Total,** 41 species; about 5981 individuals.—Dorothy H. Caperton, Robert E. Lennon, Clark Miller (compiler), Ann Moore, Thomas Moore, S. F. Snieszko.

258. Huntington, W. Va. (same area as 1940 and subsequent counts).—Dec. 27; 3 a.m. to 5 p.m. Clear; temp. 20° at 6 a.m. and 40° at 4 p.m., warmer between; calm. Twenty-six observers in 8 parties. Total party-hours, 77 (52 on foot, 25 by car); total party-miles, 366 (39 on foot, 327 by car). Horned Grebe, 5; **Western Grebe,** 1 (observer familiar with species; extreme contrast of black and white, length of neck, and size of bird noted—J.S.); Pied-billed Grebe, 9; Great Blue Heron, 2; Canada Goose, 1; **Blue Goose,** 2 (dark body and white head noted—Hugh Land); Mallard, 104; Black Duck, 33; Am. Widgeon, 2; Redhead, 4; Canvas-back, 3; Greater Scaup, 8; Lesser Scaup, 18; Buffle-head, 7; Ruddy Duck, 3; Hooded Merganser, 2; Am. Merganser, 2; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 20; Ruffed Grouse, 1; Bob-white, 38; Am. Coot, 6; Killdeer, 10; Herring Gull, 2; Mourning Dove, 1; Screech Owl, 3; Horned Owl, 1; Barred Owl, 7; Belted Kingfisher, 3; Yellow-shafted Flicker, 50; Pileated Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 78; Eastern Phoebe, 3; Horned Lark, 6; Blue Jay, 77; Am. Crow, 4750; Carolina Chickadee, 288; Tufted Titmouse, 229; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 2; Brown Creeper, 10; Winter Wren, 3; Carolina Wren, 118; Mockingbird, 13; Am. Robin, 20; Hermit Thrush, 3; Eastern Bluebird, 74; Golden-crowned Kinglet, 126; Ruby-crowned Kinglet, 2; Cedar Waxwing, 22; Common Starling, 352; Myrtle Warbler, 55; House Sparrow, 136; Eastern Meadowlark, 70; Red-winged Blackbird, 2; Brown-headed Cowbird, 4; Cardinal, 458; Am. Goldfinch, 158; Eastern Towhee, 41; Vesper Sparrow, 6; **Pine-woods Sparrow,** 1 (4th winter record in area—Hugh Land); Slate-colored Junco, 215; Am. Tree Sparrow, 114; Field Sparrow, 18; White-crowned Sparrow, 10; White-throated Sparrow, 61; Swamp Sparrow, 16; Song Sparrow, 223. **Total,** 74 species; 8165 individuals.—Kelley A. Morris, Mr. and Mrs. W. A. Cookley, Dave Pilkenton, Mrs. Walter Kerr, Mr. and Mrs. George H. Gunnoe, Mr. and Mrs. H. A. Resener, Mr. and Mrs. Grady Risen, Lois Garrett, Dorothy Fisher, Mrs. J. A. Mortison, Clare Newman, Neil R. Hale, Don C. Hanson, Mrs. H. C. Hale, James E. Shires, Howard T. Lawless, N. B. Green, Ralph M. Edeburn (compiler), Tommy Mileski, Fred Fitch, Hugh Land, Mrs. H. W. Odell.

259. Inwood (Berkeley Co.), W. Va. (southern part of Berkeley County, W. Va., from Big Spring south to Virginia line and from Opequon Creek west to top of North Mountain, no point more than 7½ miles from Inwood; apple and cherry orchards 20%, mature oak forests 10%, pasture fields 15%, open farm fields 20%, scrub growth Va. pine, locust, sumac 30%, small streams and marshes 5%).—Jan. 3; 8 a.m. to 5 p.m. Overcast and raining in a.m., clearing and windy in p.m.; temp. 40° to 55°; wind WSW, 5-25 m.p.h. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 38 (6 on foot, 32 by car). Turkey Vulture, 6; Black Vulture, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bob-white, 5; Killdeer, 9; Wilson's Snipe, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Downy Woodpecker, 7; Eastern Phoebe, 2; Blue Jay, 3; Am. Crow, 670+; Carolina Chickadee, 34; Tufted Titmouse, 18; White-breasted Nuthatch, 5; Carolina Wren, 2; Mockingbird, 5; Am. Robin, 3; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Cedar Waxwing, 5; Loggerhead Shrike, 1; Common Starling, 659+; House Sparrow, 205; Eastern Meadowlark, 4; Cardinal, 22; Am. Goldfinch, 83; Slate-colored Junco, 18; Am. Tree Sparrow, 84; Field Sparrow, 2; White-throated Sparrow, 2; Song Sparrow, 15. **Total,** 36 species; about 1892 individuals. (Seen in area Jan. 1: White-crowned Sparrow, 5.)—Clark Miller (compiler), Dale Miller.

260. Morgantown, W. Va. (area around city, country club, and airport, to Cheat Lake 7 miles away; same as in preceding years).—Dec. 26; 7:30 a.m. to 5:20 p.m. Clear; temp. 26° to 34°; wind NW, 25-35 m.p.h.; ground bare. Nine observers in 3 parties. Total party-hours, 27 (18 on foot, 9 by car); total party-miles, 75 (55 by car, 20 on foot). **Red-throated Loon,** 1 (M.B.); Horned Grebe, 6; Pied-billed Grebe, 8; **Double-crested Cormorant,** 1

(M.B.); Mallard, 15; Black Duck, 12; Gadwall, 3; Redhead, 2; scaup (sp.), 4; Buffle-head, 4; Oldsquaw, 3; Ruddy Duck, 2; Am. Merganser, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 15; Blue Jay, 6; Am. Crow, 9; Carolina Chickadee, 33; Tufted Titmouse, 36; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 10; Mockingbird, 1; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 7; Common Starling, 673 (partly est.); House Sparrow, 256 (partly est.); Cardinal, 90; Am. Goldfinch, 3; Slate-colored Junco, 73; Am. Tree Sparrow, 51; Field Sparrow, 17; White-throated Sparrow, 3; Song Sparrow, 18. **Total,** 41 species; about 1382 individuals.—Billy Berthy, Fred C. Brooks, I. B. Boggs, Bill Evans, Charles Fullmer, Larry Schwab, Charles Thomas, Henry Thomas, Maurice Brooks.

261. Point Pleasant (Mason Co.), W. Va. (Point Pleasant Ordnance Works; open fields 50%, woodland 35%, wooded stream bank 10%, marsh 5%).—Jan. 3; 7:30 a.m. to 4:30 p.m. Overcast, with drizzle, rain and snow at intervals; visibility very poor; temp. 34° to 54°; wind W, 10 m.p.h.; ground bare. Eighteen observers in 5 parties. Total party-hours, 30 (26 on foot, 4 by car); total party-miles, 92 (26 on foot, 66 by car). Mallard, 150±; Black Duck, 150±; Am. Widgeon, 2; Pintail, 1; Lesser Scaup, 1; Cooper's Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 6; Ruffed Grouse, 1; Bob-white, 12; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 24; Horned Lark, 60; Blue Jay, 21; Am. Crow, 43; Carolina Chickadee, 43; Tufted Titmouse, 44; White-breasted Nuthatch, 6; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 12; Am. Robin, 4; Eastern Bluebird, 41; Golden-crowned Kinglet, 40; Common Starling, 35; House Sparrow, 32; Eastern Meadowlark, 2; Red-winged Blackbird, 8; Rusty Blackbird, 261 (200±61); Cardinal, 147; Am. Goldfinch, 259; Eastern Towhee, 5; Slate-colored Junco, 118; Am. Tree Sparrow, 705; Field Sparrow, 12; White-crowned Sparrow, 37; White-throated Sparrow, 27; Swamp Sparrow, 27; Song Sparrow, 83. **Total,** 45 species; about 2447 individuals.—Milton Anderson, J. C. Appel, R. M. Edeburn, Dorothy Fisher, N. B. Green, George H. Gunnoe, John Handlan, C. O. Handley, Sr., George F. Hurley, Stacy Jennings, Mrs. Walter Kerr, Hugh Land, H. T. Lawless, W. J. McElfresh, Kelly Morris, Olive Mortison, Gladys M. Murrey, Claire Newman (Charleston Chapter of Brooks Bird Club and Huntington Bird Club).

262. Wheeling, W. Va. (7½-mile radius centering at Oglebay Park and including Ohio River section, Bear Rock lakes, Camp Giscowheco [Middle Wheeling Creek], Camp Agaming [Big Wheeling Creek]; deciduous woods in park and recreational areas 60%, pasture and meadow 25%, plowland 10%, urban 5%).—Dec. 26; 8:15 a.m. to 4:15 p.m. Clear in a.m., snow flurries beginning 2:15 p.m.; temp. 38° to 34°; wind SSW to E, 25-30 m.p.h. on ridges; ground clear; artificial lakes and ponds frozen, creeks frozen except at riffles, runs frozen solid where water, but mostly dry as result of drought. Twenty-two observers in 4 parties. Total party-hours, 132 (97 on foot, 35 by car); total party-miles, 249 (67 on foot, 182 by car). Great Blue Heron, 1; Black Duck, 16; Am. Widgeon, 2; Lesser Scaup, 2; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 22; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 7; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 29; Horned Lark, 11; Am. Crow, 861; chickadee (presumably all Carolina), 116; Tufted Titmouse, 28; White-breasted Nuthatch, 21; Brown Creeper, 8; Carolina Wren, 14; Eastern Bluebird, 6; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 2; Common Starling, 9; Myrtle Warbler, 1; House Sparrow, 137; Cardinal, 68; Am. Goldfinch, 9; Slate-colored Junco, 92; Am. Tree Sparrow, 68; White-throated Sparrow, 2; Song Sparrow, 20. **Total,** 34 species; about 1592 individuals. (Observed in area Dec. 20: Blue Jay, 1 [uncommon]; Dec. 23: Screech Owl, 1; Dec. 27: Robin, 40; Dec. 28: Horned Owl, 1.)—B. Altemus, D. Altemus, J. Bonar, G. Breiding (compiler), H. Castilow, D. C. Broemsen, D. B. Broemsen, C. Conrad, J. Denham, G. Devaul, W. Ewing, J. Lash, H. Nortemann, G. Phillips, P. Phillips, J. Richards, S. Oliver, P. Roberts, R. Schramm, J. Smith, P. Steckel, J. Winesdorfer (Oglebay Field Naturalist and Brooks Bird Club).

263. Bowling Green, Ky. (Bay's Fork and Alvaton areas, Three Springs, down Drake's Creek and Barren River from Cemetery Pike to Bowling Green; open woods 20%, pastures and open fields 20%, thickets and swamps 30%, stream banks 30%).—Dec. 26; 6:45 a.m. to 4:30 p.m. Clear; temp. 28° to 38°; wind W, 8-12 m.p.h.; ponds and still pools of streams frozen over. Three observers in 2 parties. Total party-hours, 27 (20 on foot, 7 by car); total party-miles, 40 (20 on foot, 20 by car). Great Blue Heron, 1; Mallard, 48; Turkey Vulture, 2; Black Vulture, 6; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 2; Mourning Dove, 87; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Pileated Woodpecker, 10; Red-bellied Woodpecker, 28; Hairy Woodpecker, 3; Downy Woodpecker, 22; Eastern Phoebe, 1; Horned Lark, 126; Blue Jay, 62; Am. Crow, 1240; Carolina Chickadee, 55; Tufted Titmouse, 51; Brown Creeper, 4; Winter Wren, 8; Carolina Wren, 25; Mockingbird, 5; Am. Robin, 5; Hermit Thrush, 1; Eastern Bluebird, 19; Golden-crowned Kinglet, 5; Cedar Waxwing, 15; Loggerhead Shrike, 2; Common Starling, 1750; Myrtle Warbler, 4; House Sparrow, 48; Eastern Meadowlark, 67; Red-winged Blackbird, 28; Rusty Blackbird, 125; Purple Grackle, 4; Cardinal, 138; Purple Finch, 13; Am. Goldfinch, 206; Eastern Towhee, 17; Slate-colored Junco, 175; Am. Tree Sparrow,

54; Field Sparrow, 9; White-crowned Sparrow, 22; White-throated Sparrow, 83; Fox Sparrow, 5; Swamp Sparrow, 13; Song Sparrow, 50. **Total,** 54 species; 4668 individuals. (Seen in area Dec. 19: Killdeer, 1; Wilson's Snipe, 1; Red-headed Woodpecker, 3; Water Pipit, 1; Dec. 24: Screech Owl, 1.)—L. Y. Lancaster, Charles L. Taylor, Gordon Wilson (compiler).

264. Danville, Ky. (most roads in county; farmland, and thickets).—Jan. 2; 6:30 a.m. to 4:30 p.m. Mostly clear; temp. 32° to 50°; wind SW, up to 15 m.p.h.; water open but had been frozen for days; some ponds and streams nearly dry. Six observers in 3 parties. Total party-hours, 32 (12 on foot, 20 by car); total party-miles, 190 (10 on foot, 180 by car). Mallard, 42; Turkey Vulture, 28; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Pigeon Hawk, 3 [no details—Ed.]; Sparrow Hawk, 18; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 28; Blue Jay, 6; Am. Crow, 8600 (partly est.); Carolina Chickadee, 32; Tufted Titmouse, 27; Carolina Wren, 5; Mockingbird, 2; Am. Robin, 5; Eastern Bluebird, 21; Cedar Waxwing, 1; Loggerhead Shrike, 2; Common Starling, 460; House Sparrow, 123; Eastern Meadowlark, 28; Purple Grackle, 1; Cardinal, 68; Am. Goldfinch, 18; Eastern Towhee, 7; Slate-colored Junco, 64; Field Sparrow, 7; White-crowned Sparrow, 14; White-throated Sparrow, 23; Fox Sparrow, 2; Song Sparrow, 11. **Total,** 38 species; about 9667 individuals.—Margaret R. Moore, Martha R. Read, Edna Drill Heck, Frank Heck, Margaret Glore, Scott Glore, Jr. (compiler).

265. Henderson, Ky. (7½-mile radius from Audubon State Park Museum; deciduous woods 28%, sloughs and bottomlands [cornfields] 12%, hills, pasture, and fencerows 25%, riverbanks 18%, small thickets 9%, town and suburbs 5%, abandoned fields 3%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 32° to 54°; wind NW, 10-13 m.p.h.; barometer high and steady. Twenty-one observers in 9 parties. Total party-hours, 104 (90 on foot, 14 by car); total party-miles, 127 (70 on foot, 57 by car). Common Loon, 2; Pied-billed Grebe, 1; Great Blue Heron, 2; Canada Goose, 638; **Mallard,** 103,750 (in 2 concentrations on river; estimates by R.C.S. and F.S.); Black Duck, 5000 (est.); Pintail, 10; Green-winged Teal, 2; Shoveller, 1; Wood Duck, 10; Canvas-back, 20; Lesser Scaup, 25; Am. Golden-eye, 4; Buffle-head, 6; Turkey Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 4; Peregrine Falcon, 1 (R.C.S.); Sparrow Hawk, 21; Bob-white, 71; Am. Coot, 1; Killdeer, 9; Herring Gull, 109; **Mourning Dove,** 987 (500 est.); Barn Owl, 1; Screech Owl, 3; Horned Owl, 8; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 28; Pileated Woodpecker, 3; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 8; Downy Woodpecker, 47; Horned Lark, 130; Blue Jay, 61; **Am. Crow,** 35,000 (est. of birds going to roost; some duplication possible as est. includes foraging crows during day); Carolina Chickadee, 77; Tufted Titmouse, 39; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 3; Bewick's Wren, 2; Carolina Wren, 18; Mockingbird, 21; Brown Thrasher, 1; Am. Robin, 35; Hermit Thrush, 2; Eastern Bluebird, 44; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 5; Cedar Waxwing, 22; Loggerhead Shrike, 1; Common Starling, 2371 (est.); Myrtle Warbler, 3; House Sparrow, 2000 (est.); Eastern Meadowlark, 608; Red-winged Blackbird, 2; Purple Grackle, 1000 (est.); Brown-headed Cowbird, 3; Cardinal, 117; Am. Goldfinch, 26; Eastern Towhee, 17; Slate-colored Junco, 106; Am. Tree Sparrow, 3; Chipping Sparrow, 24; Field Sparrow, 22; **Harris's Sparrow,** 3 (1 in Audubon State Park—K.B., F.K., W.P.R.; 2 in woodland-edge undergrowth—V.S., A.K.); White-crowned Sparrow, 26; White-throated Sparrow, 11; Fox Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, 27. **Total,** 80 species; about 152,671 individuals.—Walter Alves, King Benson, Mrs. Lora Clark, Leslie Craighead, Jimmie Esche, Nellie Farley, Jimmy Frields, Fred Katterjohn, Amelia Klutey, Catherine Reuter, W. P. Rhoads (compiler), Frank Sauerheber, Virginia Smith, Robert C. Soaper, Mr. and Mrs. George Stanley, Mrs. Nat Stanley, Sr., Mr. and Mrs. Nat Stanley, Jr., Edna Vogel, Helen Watson (Henderson Audubon Society).

266. Kentucky Woodlands National Wildlife Refuge, Ky. (7½-mile radius centering at junction of state highway 58 and the ridge road, northward to Kentucky Dam, south to the Rock Castle road and Sugar Creek, west to channel of Kentucky Lake, and east to Cumberland River; open water 15%, shoreline 30%, open fields 15%, hedgerow 30%, woodlands 10%).—Jan. 1; 6 a.m. to 5 p.m. Clear; temp. 25° to 62°; wind W to SW, 3-7 m.p.h.; ground thawing. Seven observers in 4 parties. Total party-hours, 29 (25 on foot, 4 by car); total party-miles, 98 (16 on foot, 82 by car). Great Blue Heron, 2; Canada Goose, 2069 (1600±100, 469); Snow Goose, 1; Mallard, 13,000 (±1000); Black Duck, 5000 (±500); Gadwall, 50; Am. Widgeon, 16; Pintail, 2; Green-winged Teal, 5; Blue-winged Teal, 25; Wood Duck, 15; Ring-necked Duck, 29; Lesser Scaup, 32; Am. Golden-eye, 10; Buffle-head, 56; Hooded Merganser, 300 (±50); Am. Merganser, 15; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Golden Eagle, 4; Bald Eagle, 6; Sparrow Hawk, 3; Bob-white, 10; Turkey, 1; Killdeer, 3; Herring Gull, 20; Ring-billed Gull, 3000 (±500); Mourning Dove, 5; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Pileated Woodpecker, 2; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 6; Blue Jay, 140; Am. Crow, 32; Carolina Chickadee, 38; Tufted Titmouse, 33; White-breasted Nuthatch, 16; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 6; Mocking-

bird, 5; Brown Thrasher, 1; Am. Robin, 19; Eastern Bluebird, 7; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Common Starling, 20; Myrtle Warbler, 8; House Sparrow, 53; Eastern Meadowlark, 4; Red-winged Blackbird, 1; Brown-headed Cowbird, 15; Cardinal, 131; Purple Finch, 5; Am. Goldfinch, 76; Eastern Towhee, 35; Slate-colored Junco, 451; Am. Tree Sparrow, 1; Field Sparrow, 3; White-throated Sparrow, 19; Song Sparrow, 3. **Total,** 69 species; about 24,887 individuals.—Evelyn Barbig, Fred Cunningham, Eugene Cypert (compiler), Mary Louise Cypert, Roy Grissell, Charles McPherson, Lauren Putnam.

267. Louisville, Ky. (same as last year).—Dec. 27; 5 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 41° to 48°; wind S to SW, 0-8 m.p.h.; creeks and ponds frozen, river open. Thirty-six observers in 12 parties. Total party-hours, 79 (45 on foot, 28 by car, 6 by boat); total party-miles, 127 (37 on foot, 86 by car, 4 by boat). Horned Grebe, 1; Pied-billed Grebe, 2; Double-crested Cormorant, 1; Great Blue Heron, 1; Black-crowned Night Heron, 28; Canada Goose, 11; Mallard, 86; Black Duck, 158; Am. Widgeon, 1; Pintail, 7; Green-winged Teal, 1; Redhead, 2; Canvas-back, 11; Lesser Scaup, 202; Am. Golden-eye, 14; Buffle-head, 6; Ruddy Duck, 3; Hooded Merganser, 4; Am. Merganser, 1; Black Vulture, 19; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 8; **Rough-legged Hawk,** 1 (Stamms); Marsh Hawk, 7; Sparrow Hawk, 62; Bob-white, 75; Am. Coot, 10; Killdeer, 53; **Glaucous Gull,** 1 (ad., with Herring Gulls; found day before and day of Count at Falls of the Ohio—Monroes); Herring Gull, 34; Ring-billed Gull, 80; Bonaparte's Gull, 1; Mourning Dove, 81; Screech Owl, 3; Horned Owl, 3; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 18; Yellow-shafted Flicker, 65; Pileated Woodpecker, 4; Red-bellied Woodpecker, 45; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 16; Downy Woodpecker, 85; Horned Lark, 156; Blue Jay, 63; Am. Crow, 874; Carolina Chickadee, 137; Tufted Titmouse, 178; White-breasted Nuthatch, 30; Brown Creeper, 15; Winter Wren, 2; Bewick's Wren, 3; Carolina Wren, 58; Mockingbird, 54; Brown Thrasher, 1; Am. Robin, 11; Hermit Thrush, 1; Eastern Bluebird, 58; Golden-crowned Kinglet, 28; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Loggerhead Shrike, 6; Common Starling, 3853; Myrtle Warbler, 12; House Sparrow, 372; Eastern Meadowlark, 101; Red-winged Blackbird, 22; Rusty Blackbird, 7; Purple Grackle, 2; Brown-headed Cowbird, 1; Cardinal, 349; Purple Finch, 2; Am. Goldfinch, 74; Eastern Towhee, 20; **Vesper Sparrow,** 1 (T.P.S., Monroes); Slate-colored Junco, 340; **Oregon Junco,** 1 (wintering at Sleepy Hollow, a highly marked individual—W.H.S.); Am. Tree Sparrow, 157; Field Sparrow, 65; White-crowned Sparrow, 36; White-throated Sparrow, 76; Swamp Sparrow, 14; Song Sparrow, 136. **Total,** 86 species; about 8551 individuals. (Seen in area Dec. 22: Oldsquaw, 1; Dec. 31: Ring-necked Duck, 7.)—Mr. and Mrs. Yancey R. Altsheler, George Babcock, Mr. and Mrs. Leonard C. Brecher, Carl Cornett, Joseph Croft, Jacob P. Doughty, Thomas Fuller, Paxton Gibbs, Frank H. Krull, Frank X. Krull, Harvey B. Lovell, John H. Lovell, Esther E. Mason, Mrs. John H. McChord, Burt L. Monroe, Jr., Burt L. Monroe, Sr. (compiler), Mrs. H. V. Noland, Louis H. Pieper, Marie E. Pieper, William Pike, Evelyn J. Schneider, Walter H. Shackleton, Mr. and Mrs. Francis P. Shannon, Cliff Sipe, Mr. and Mrs. Frederick W. Stamm, Thomas P. Smith, Robert H. Steilberg, Mr. and Mrs. Charles Strull, S. Charles Thacher, Virginia Winstandley, A. A. Wright (Beckham Bird Club).

268. Mammoth Cave National Park, Ky. (central area, First Creek, Silent Grove, Turnhole Bend, Joppa, Katy Pace Valley, Sloan's Crossing, Park City entrance; open woods 40%, grown-up old fields 40%, stream banks 10%, residential areas 10%).—Jan. 1; 6:45 a.m. to 4 p.m. Clear; temp. 28° to 50°; wind W, 1-7 m.p.h.; river and lake frozen; ground bare. Five observers in 3 parties. Total party-hours, 40 (35 on foot, 5 by car); total party-miles, 50 (20 on foot, 30 by car). **Blue Goose,** 24 (observed with 7x50 glasses flying low and directly overhead and giving their distinctive un-goose-like calls—L.Y.L., G.W.); Black Duck, 15; unidentified ducks, 20; Turkey Vulture, 3; Black Vulture, 6; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Bob-white, 15; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Pileated Woodpecker, 6; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 6; Horned Lark, 1; Blue Jay, 42; Am. Crow, 22; Carolina Chickadee, 67; Tufted Titmouse, 48; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 5; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 4; Mockingbird, 2; Am. Robin, 73; Hermit Thrush, 3; Eastern Bluebird, 31; Golden-crowned Kinglet, 15; Cedar Waxwing, 5; Myrtle Warbler, 12; House Sparrow, 2; Cardinal, 35; Purple Finch, 31; Am. Goldfinch, 26; Eastern Towhee, 29; Savannah Sparrow, 5; Slate-colored Junco, 114; White-throated Sparrow, 12; Song Sparrow, 13. **Total,** 41 species; 756 individuals.—Frank Ewing, Myron Hays, L. Y. Lancaster, C. T. Reid, Gordon Wilson (compiler).

269. Paducah, Ky. (same territory as 1952 and previous years, along the Ohio and Tennessee Rivers 5 miles south and 3 miles northwest of Paducah; deciduous woodlands 40%, stream banks 10%, brushy fields 30%, open fields and pastures 20%).—Jan. 2; 7 a.m. to 4:30 p.m. Clear in a.m., cloudy in p.m.; temp. 35° to 45°; wind S to SW, 3-15 m.p.h. One observer. Total hours, 9½ (5½ on foot, 4 by car); total miles, 39 (6 on foot, 33 by car). Lesser Scaup, 20; Turkey Vulture, 7; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 9; Bob-white, 6; Killdeer, 2; Herring Gull, 20; Ring-billed Gull, 63; Mourning Dove, 11; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 2; Blue Jay, 21; Am. Crow, 41; Carolina Chickadee,

9; Tufted Titmouse, 17; White-breasted Nuthatch, 4; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 5; Mockingbird, 10; Am. Robin, 30; Eastern Bluebird, 20; Golden-crowned Kinglet, 8; Cedar Waxwing, 15; Loggerhead Shrike, 5; Common Starling, 1240; House Sparrow, 55; Eastern Meadowlark, 39; Red-winged Blackbird, 219; Rusty Blackbird, 200; Purple Grackle, 10; Brown-headed Cowbird, 135; Cardinal, 14; Purple Finch, 12; Am. Goldfinch, 20; Eastern Towhee, 14; Slate-colored Junco, 78; Am. Tree Sparrow, 50; Field Sparrow, 3; White-crowned Sparrow, 7; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 3. **Total,** 52 species; 2465 individuals.—E. Esther Smith.

270. **Big Bald Mountain (Unicoi–Yancey Counties), Tenn.–N.C.** (from east fork of Higgins Creek [3400 ft.] to Appalachian Trail [5000 ft.] and summit of Big Bald [5516 ft.], wooded slopes of latter; deciduous woodland [3400-5300 ft.] 70%, grassy treeless area [5300-5516 ft.] 30%).—Jan. 1; 8 a.m. to 5 p.m. Clear, cloudless sky, excellent visibility; temp. 25° to 35°; wind NW to W, 1-15 m.p.h.; ground frozen; scattered remnants of snow. One observer. Total hours, 9; total miles, 9 (on foot). Cooper's Hawk, 1 (5250 ft.); Ruffed Grouse, 1 (5100 ft.); Pileated Woodpecker, 1 (3900 ft.); Hairy Woodpecker, 3 (5000-5200 ft.); Downy Woodpecker, 3 (5100-5200 ft.); Blue Jay, 1 (5200 ft.); chickadee (sp.), 8 (3400-5000 ft.); Tufted Titmouse, 27 (4100-5300 ft.); White-breasted Nuthatch, 7 (4100-5300 ft.); Cardinal, 3 (1 pair at 3475 ft, 1 ♂ at 5200 ft.); Eastern Towhee, 2 (5250 ft.); Slate-colored (Carolina) Junco, 10 (4200-5300 ft.); Song Sparrow, 1 (3500 ft); **Snow Bunting,** 1 (5500 ft.) (♀, either 2nd or 3rd record for Tenn., 1 seen in same locality Nov. 29, 1953). **Total,** 14 species; 69 individuals.—Fred W. Behrend (Elizabethton Chapter, T.O.S.).

271. **Elizabethton, Tenn.** (same area as in previous years).—Jan. 2; 7 a.m. to 6 p.m. Clear; temp. 22° to 48°; no wind. Seventeen observers in 7 parties. Total party-hours, 53 (36 on foot, 13 by car, 4 by boat); total party-miles, 186 (34 on foot, 127 by car, 25 by boat). Horned Grebe, 1; Pied-billed Grebe, 23; Mallard, 108; Green-winged Teal, 13; Bufflehead, 11; Am. Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 5; Killdeer, 5; Mourning Dove, 8; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 11; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1; Downy Woodpecker, 18; Eastern Phoebe, 3; Blue Jay, 62; Am. Crow, 270; Carolina Chickadee, 97; Tufted Titmouse, 47; Brown Creeper, 3; Carolina Wren, 40; Mockingbird, 27; Am. Robin, 32; Hermit Thrush, 3; Eastern Bluebird, 45; Golden-crowned Kinglet, 35; Cedar Waxwing, 1; Loggerhead Shrike, 6; Common Starling, 702; Myrtle Warbler, 30; House Sparrow, 115; Eastern Meadowlark, 54; Purple Grackle, 1; Cardinal, 90; Purple Finch, 14; Pine Siskin, 2; Am. Goldfinch, 272; Eastern Towhee, 19; Savannah Sparrow, 1; Slate-colored Junco, 174; Chipping Sparrow, 1; Field Sparrow, 70; White-crowned Sparrow, 36; White-throated Sparrow, 51; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 51. **Total,** 51 species; 2577 individuals. (Seen in area Jan. 3: Ruffed Grouse, 3 [L.R.H.]; Horned Lark [Prairie], 1 [L.R.H., L.M.H.].)—Mrs. Roberta Bashor, David Bashor, Mrs. Mary Fern Behrend, J. C. Browning, Mrs. Louise Browning, Mary Cook, David Fortune, L. R. Herndon (compiler), Mrs. Lois M. Herndon, Mrs. Ruth D. Hughes, Dickie Hughes, Malcolm Jones, John B. Luker, Mrs. June G. Luker, Roby D. May, Jr., Mrs. Norma E. May, Mrs. Hugh L. Taylor (Elizabethton Chapter, Tennessee Ornithological Society).

272. **Great Smoky Mountains National Park, Tenn.–N.C.** (same as 1937 and subsequent years).—Jan. 3; 6:30 a.m. to 6 p.m. Clear to partly cloudy; temp. 25° to 55°; wind variable, up to 25 m.p.h. at higher altitudes, lessening in p.m.; ground bare except for lingering snow patches at high altitudes. Thirty observers in 12 parties. Total party-hours, 90 (80 on foot, 10 by car); total party-miles, 149 (97 on foot, 52 by car). Great Blue Heron, 1; Canada Goose, 22; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 3; Ruffed Grouse, 9; Bobwhite, 22; Killdeer, 32; Mourning Dove, 80; Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Pileated Woodpecker, 15; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 23; Eastern Phoebe, 15; Horned Lark, 7; Blue Jay, 34; Common Raven, 6; Am. Crow, 187; Black-capped and Carolina Chickadee, 248; Tufted Titmouse, 35; White-breasted Nuthatch, 1; **Red-breasted Nuthatch,** 55; Brown Creeper, 19; Winter Wren, 5; Bewick's Wren, 3; Carolina Wren, 27; Mockingbird, 18; Am. Robin, 300; Hermit Thrush, 11; Eastern Bluebird, 49; Golden-crowned Kinglet, 87; Ruby-crowned Kinglet, 9; Water Pipit, 7; Cedar Waxwing, 1; Loggerhead Shrike, 4; Common Starling, 20; Myrtle Warbler, 20; House Sparrow, 130; Eastern Meadowlark, 45; Purple Grackle, 2; Cardinal, 70; Purple Finch, 55; Pine Siskin, 133; Am. Goldfinch, 330; **Red Crossbill,** 90; Eastern Towhee, 16; Savannah Sparrow, 6; Vesper Sparrow, 1; Slate-colored Junco, 287; Field Sparrow, 180; White-crowned Sparrow, 7; White-throated Sparrow, 84; Swamp Sparrow, 1; Song Sparrow, 69. **Total,** 62 species (1 additional subspecies); about 2904 individuals.—Mary Ruth Chiles, William Cole, Hugh Davis, Jr., Margaret Dickson, Larry Doyle, Robert J. Dunbar, Mary Enloe, Keeton Griffin, Joseph C. Howell, Don Hurley, John Jacobs, E. S. Janson, Richard Laurence, Mrs. Frank Leonhard, James E. Liles, Richard Lorenz, Mr. and Mrs. R. A. Monroe, Julia I. Moore, Kenneth Newton, Mrs. E. E. Overton, Paul Pardue, Robert R. Scott III, William F. Searle III, Mr. and Mrs. Arthur Stupka, Maryann Stupka, James T. Tanner, Samuel R. Tipton, Lois Tucker (Tenn. Ornithological Society, National Park Service, and guests).

273. **Jackson, Tenn.** (same area as in 1952; river bottoms 50%, open fields 25%, roadside thickets 10%,

ponds 10%, upland woods 5%).—Dec. 27; 6 a.m. to 5 p.m. Overcast; temp. 34° to 50°; wind SE, 5-15 m.p.h. Two observers in 1 party. Total hours, 11 (9 on foot, 2 by car); total miles, 50 (10 on foot, 40 by car). Pied-billed Grebe, 2; Turkey Vulture, 5; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Marsh Hawk, 4; Sparrow Hawk, 6; Bob-white, 2; Killdeer, 6; Am. Woodcock, 1; Wilson's Snipe, 10; Mourning Dove, 10; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 45; Pileated Woodpecker, 2; Red-bellied Woodpecker, 51; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 7; Downy Woodpecker, 17; Horned Lark, 320; Blue Jay, 135; Am. Crow, 40; Carolina Chickadee, 49; Tufted Titmouse, 33; White-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 27; Bewick's Wren, 2; Carolina Wren, 15; Mockingbird, 37; Catbird, 1 (present since late Oct.); Brown Thrasher, 14; Am. Robin, 166; Hermit Thrush, 8; Eastern Bluebird, 36; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 9; Water Pipit, 32; Cedar Waxwing, 45; Loggerhead Shrike, 9; Common Starling, 8; Myrtle Warbler, 28; House Sparrow, 230; Eastern Meadowlark, 215; Red-winged Blackbird, 11; Rusty Blackbird, 22; Purple Grackle, 4; Brown-headed Cowbird, 4; Cardinal, 97; Purple Finch, 6; Am. Goldfinch, 44; Eastern Towhee, 104; Savannah Sparrow, 9; Vesper Sparrow, 2; Slate-colored Junco, 157; Chipping Sparrow, 1 (eye-stripe and rusty crown clearly seen); Field Sparrow, 20; White-crowned Sparrow, 16; White-throated Sparrow, 161; Fox Sparrow, 11; Swamp Sparrow, 10; Song Sparrow, 24; Lapland Longspur, 14. **Total,** 67 species; 2413 individuals. (Seen in area Dec. 26: Barred Owl, 2.)—Kilian Roever, Mrs. W. E. Roever.

274. Johnsonville, Tenn. (same area as in 1952, which includes the 48,000 acre Tennessee National Wildlife Refuge at confluence of Duck and Tenn. rivers).—Jan. 3; 8 a.m. to 5 p.m. Fair; temp. 22° to 52°; wind S to SE, 7-16 m.p.h.; ground bare; ponds, sloughs, and swamps not frozen. Thirteen observers in 3 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 30 (5 on foot, 25 by car). **Double-crested Cormorant,** 3000 (est.); Great Blue Heron, 150; Canada Goose, 2300 (est.); Snow Goose, 1; Mallard, 2000 (est.); Black Duck, 275; Gadwall, 22; Am. Widgeon, 25; Pintail, 38; Wood Duck, 7; Ring-necked Duck, 14; Lesser Scaup, 300; Buffle-head, 2; Hooded Merganser, 26; Cooper's Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 5; **Golden Eagle,** 7; **Bald Eagle,** 12 (the eagles congregate here annually at the times ducks are present); Marsh Hawk, 8; Sparrow Hawk, 3; Am. Coot, 5; Killdeer, 15; Ring-billed Gull, 95; Mourning Dove, 85; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 12; Eastern Phoebe, 3; Blue Jay, 17; Am. Crow, 216; Carolina Chickadee, 32; Tufted Titmouse, 15; White-breasted Nuthatch, 1; Carolina Wren, 6; Mockingbird, 9; Am. Robin, 50; Eastern Bluebird, 18; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 400 (est.); Myrtle Warbler, 2; House Sparrow, 42; Eastern Meadowlark, 83; Red-winged Blackbird, 100,000 (est., enroute to roost); Rusty Blackbird, 1; Purple Grackle, 75; Brown-headed Cowbird, 49; Cardinal, 60; Am. Goldfinch, 204; Eastern Towhee, 6; Savannah Sparrow, 2; Slate-colored Junco, 46; Field Sparrow, 18; White-crowned Sparrow, 1; White-throated Sparrow, 45; Fox Sparrow, 2; Swamp Sparrow, 90; Song Sparrow, 100 (est.). **Total,** 65 species; about 110,038 individuals.—Ruth Castles, James L. Dole, Albert F. Ganier (compiler), Al. Mayfield, G. R. Mayfield, Johnny Ogden, Douglas Oxford, Jennie Riggs, Edward and Dan Schreiber, Eugene Cypert (co-compiler) and Mrs. Cypert, James Tucker (Tennessee Ornithological Society).

275. Kingsport, Tenn. (7½-mile radius centering on Pactolus, excluding Bays Mt.; residential 10%, fields 40%, wooded area 40%, ponds, rivers, and lake 10%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Clear; temp. 20° to 45°; no wind; fresh water open; no snow on ground. Seven observers in 6 parties. Total party-hours, 19 (18 on foot, 1 by car); total party-miles, 15 (10 on foot, 5 by car). Pied-billed Grebe, 1; Mallard, 5; Black Duck, 5; Blue-winged Teal, 2; Ring-necked Duck, 1; Lesser Scaup, 8; Turkey Vulture, 3; Black Vulture, 5; Cooper's Hawk, 1; Killdeer, 13; Mourning Dove, 2; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 7; Eastern Phoebe, 4; Blue Jay, 55; Am. Crow, 65; Carolina Chickadee, 47; Tufted Titmouse, 27; Winter Wren, 2; Carolina Wren, 19; Mockingbird, 27; Brown Thrasher, 1; Am. Robin, 5; Eastern Bluebird, 13; Golden-crowned Kinglet, 3; Cedar Waxwing, 12; Common Starling, 350; Myrtle Warbler, 7; House Sparrow, 79; Eastern Meadowlark, 6; Purple Grackle, 5; Cardinal, 50; Am. Goldfinch, 86; Eastern Towhee, 27; Slate-colored Junco, 75; Field Sparrow, 60; White-crowned Sparrow, 7; White-throated Sparrow, 58; Swamp Sparrow, 1; Song Sparrow, 31. **Total,** 46 species; about 1190 individuals.—W. E. Gift, Mrs. Helen Harris, Dr. Lee R. Herndon, W. C. McHorris, Mrs. Lucile Smith, Mrs. Ann H. Switzer (compiler), Dr. Howard S. Young (Kingsport Bird Club).

276. Memphis, Tenn. (1952 area slightly extended; wooded bottomlands 25%, deciduous woodlots including city parks 25%, old cottonfields, pastures, airports, and farms 25%, suburban roadsides 20%, island willow thicket and river's edge 5%).—Dec. 27; 6:50 a.m. to 5 p.m. Cloudy; temp. 34° to 52°; wind W, 10-25 m.p.h. Thirty observers in 8 parties. Total party-hours, 99 (81 on foot, 18 by car); total party-miles, 223 (73 on foot, 150 by car). Pied-billed Grebe, 4; Great Blue Heron, 6; Mallard, 58; Am. Widgeon, 4; Wood Duck, 1; Ring-necked Duck, 15; Canvas-back, 2; Lesser Scaup, 267; Turkey Vulture, 6; Black Vulture, 5; Cooper's Hawk, 4; Red-tailed Hawk, 24; Red-shouldered

Hawk, 8; **Rough-legged Hawk,** 1 (R.D.S., G.P., R.G.); Marsh Hawk, 3; Sparrow Hawk, 23; Bob-white, 8; Killdeer, 98; Wilson's Snipe, 29; Herring Gull, 2; Ring-billed Gull, 14; Mourning Dove, 44; Screech Owl, 1; Barred Owl, 4; Short-eared Owl, 9; Belted Kingfisher, 6; Yellow-shafted Flicker, 147; Pileated Woodpecker, 3; Red-bellied Woodpecker, 72; Red-headed Woodpecker, 18; Yellow-bellied Sapsucker, 21; Hairy Woodpecker, 9; Downy Woodpecker, 62; Eastern Phoebe, 2; Horned Lark, 158; **Blue Jay,** 474; Am. Crow, 73; Carolina Chickadee, 237; Tufted Titmouse, 131; White-breasted Nuthatch, 6; Brown Creeper, 9; Winter Wren, 22; Bewick's Wren, 1; Carolina Wren, 126; Mockingbird, 140; Brown Thrasher, 28; Am. Robin, 145; Hermit Thrush, 26; Eastern Bluebird, 58; Golden-crowned Kinglet, 67; Ruby-crowned Kinglet, 20; Water Pipit, 26; **Sprague's Pipit,** 5 (added to Tenn. list last season; seen in same area on Count—Mrs. B.B.C., *et al.*); Cedar Waxwing, 180; Loggerhead Shrike, 30; Common Starling, 70,000; Myrtle Warbler, 102; Pine Warbler, 1 (R.G., at 15 ft.); House Sparrow, 359; Eastern Meadowlark, 222; **Western Meadowlark,** 1 (singing—W.W.); Red-winged Blackbird, 60,000; Purple Grackle, 160,000; Brown-headed Cowbird, 10,000; Cardinal, 617; Purple Finch, 37; Am. Goldfinch, 171; Eastern Towhee, 90; Savannah Sparrow, 14; Slate-colored Junco, 779; Field Sparrow, 303; Harris's Sparrow, 7; White-crowned Sparrow, 28; White-throated Sparrow, 1085; Fox Sparrow, 71; Swamp Sparrow, 66; Song Sparrow, 472; Lapland Longspur, 250; **Smith's Longspur,** 37 (seen in 2 localities—Mrs. B.B.C., *et al.*, B.B.C., *et al.*). **Total,** 79 species; about 307,654 individuals. Day count: Cowbird, 3; that of Starling, Red-winged Blackbird, and Purple Grackle not significant because of flock movements. Rusty Blackbird undoubtedly in roost but roost not checked for same at night as in 1952. Roost total estimated at 300,000, based on size of area used and apparent density, compared with previous check of incoming lines. Proportionate estimate of the 4 species based on such lines.—Mr. and Mrs. Ben B. Coffey, Jr. (compilers), Mr. and Mrs. Frederick T. Carney, Mrs. Irene Daniel, Mary Davant, Genevieve Geren, Richmond Gill, Jr., Luther F. Keeton, Lawrence C. Kent, Reed Knight, Chas. A. Koepke, III, Harry Landis, Jr., Chas. A. Marcus, Jennie May, Mrs. J. H. McWhorter, Nelle Moore, George Peyton, Jr., Edwin Poole, Alice Smith, R. Demett Smith, Jr., Mrs. Noreen Smith, Mrs. Ellen Stringer, Mrs. Leah Torti, Dr. Wendell Whittemore, David and Donald Wilson, Edward and Mrs. Rose N. Wooldridge, Orval M. Wood, III (Memphis Chapter, Tenn. Ornith. Soc.).

277. Nashville, Tenn. (same area as in 1952 and previous years).—Dec. 27; 6:30 a.m. to 5 p.m. Clear in a.m., overcast in p.m.; temp. 21° to 50°; wind S to SE, 5-13 m.p.h.; ground bare and frozen, no water except in creeks; visibility good. Thirty-six observers in 10 parties. Total party-hours, 90 (67 on foot, 23 by car); total party-miles, 154 (34 on foot, 120 by car). Pied-billed Grebe, 1; Great Blue Heron, 4; Mallard, 24; Black Duck, 124; Gadwall, 5; Ring-necked Duck, 9; Canvas-back, 4; Lesser Scaup, 6; unidentified ducks, 30; Turkey Vulture, 1; Black Vulture, 54; Cooper's Hawk, 3; Red-tailed Hawk, 9; Red-shouldered Hawk, 10; Marsh Hawk, 6; Sparrow Hawk, 30; Bob-white, 24; Ring-necked Pheasant, 1; Am. Coot, 1; Killdeer, 49; Wilson's Snipe, 5; **Least Sandpiper,** 1 (G.R.M., R.W.—first winter record); Ring-billed Gull, 2; Mourning Dove, 129 (includes flock of 105); Screech Owl, 1; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 115; Pileated Woodpecker, 20; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 16; Downy Woodpecker, 87; Eastern Phoebe, 2; Horned Lark, 70; Blue Jay, 123; Am. Crow, 251; Carolina Chickadee, 170; Tufted Titmouse, 97; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1 (L.M.); Brown Creeper, 12; Winter Wren, 9; Bewick's Wren, 14; Carolina Wren, 63; Mockingbird, 129; Brown Thrasher, 1; Am. Robin, 4000 est. (at roost; these include those seen elsewhere); Hermit Thrush, 4; Eastern Bluebird, 158; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Water Pipit, 40 (37+3); Cedar Waxwing, 62; Loggerhead Shrike, 15; Common Starling, 200,000 (est. at roost); Myrtle Warbler, 57; House Sparrow, 280; Eastern Meadowlark, 76; Red-winged Blackbird, 11; Rusty Blackbird, 12; Purple Grackle, 2411 (2000 at roost); Brown-headed Cowbird, 2; Cardinal, 566; Purple Finch, 6; Am. Goldfinch, 272; Eastern Towhee, 73; Savannah Sparrow, 4; Slate-colored Junco, 584; **Am. Tree Sparrow,** 3; Field Sparrow, 147; **Harris's Sparrow,** 1 (with 21 White-crowns; carefully studied—K.A.G.); White-crowned Sparrow, 141; White-throated Sparrow, 300; Fox Sparrow, 4; Swamp Sparrow, 110; Song Sparrow, 238. **Total,** 78 species; about 211,364 individuals (4933 omitting Starlings, Robins, and Grackles).—B. H. Abernathy, Dr. and Mrs. Arthur A. Allen (N.Y.), J. H. and Mrs. Bailey, Mrs. Wm. Bell, Mrs. Leon DeBrohun, Henry Binkly, Mrs. K. B. Eberly, Charles Farrell, Albert F. Ganier (compiler), Eddie Gleaves, Mrs. Katherine A. Goodpasture, Francis and Alice Hager, Wayland A. Hayes, Helen Howell, J. P. Jones, Mrs. R. E. Lynn, Al. Mayfield, G. R. and Mrs. Mayfield, Larry McClain, E. P. and Mrs. Mountfort, Johnny Ogden, Douglas Oxford, Wm. Parker, H. E. Parmer, Jennie Riggs, James Robins, Ed. and Dan Schreiber, Mrs. Phoebe Travis, James Tucker, Ruth White (members of Tenn. Ornithological Society and guests).

278. Reelfoot Lake, Tenn. (essentially same area as in the past, less coverage of lake [frozen], slight additional coverage Mississippi River; wooded bottoms 25%, wooded hillsides 20%, roadside 25%, open fields and farms 20%, lake and river 10%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Overcast; temp. 37° to 48°; wind variable, 12-15 m.p.h.; lake frozen except for a few holes, water level lowest since 1930. Seven observers in 3 parties. Total party-hours, 29 (27 on foot, 2 by car); total party-miles, 75 (35 on foot, 40 by car). Pied-billed Grebe, 18; Double-crested Cormorant, 63; Great Blue Heron, 29;

Canada Goose, 1100 (est.); Mallard, 1000 (est.); Black Duck, 100; Gadwall, 115; Pintail, 108; Green-winged Teal, 12; Blue-winged Teal, 7; Shoveller, 2; Ring-necked Duck, 69; Canvas-back, 36; Lesser Scaup, 5; Am. Golden-eye, 11; Ruddy Duck, 1; Hooded Merganser, 9; Am. Merganser, 3; unidentified ducks, 50,000 (est.); Black Vulture, 43; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 16; Bald Eagle, 9; Marsh Hawk, 4; Peregrine Falcon, 1; Sparrow Hawk, 12; Bob-white, 2; Am. Coot, 1; Killdeer, 4; Wilson's Snipe, 1; Herring Gull, 26; Ring-billed Gull, 325; Mourning Dove, 22; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 24; Pileated Woodpecker, 5; Red-bellied Woodpecker, 45; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 3; Downy Woodpecker, 21; Blue Jay, 21; Am. Crow, 1988; Carolina Chickadee, 156; Tufted Titmouse, 98; White-breasted Nuthatch, 6; Brown Creeper, 7; Winter Wren, 10; Carolina Wren, 53; Mockingbird, 18; Brown Thrasher, 2; Am. Robin, 54; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 28; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 10; Common Starling, 8000 (est.); Myrtle Warbler, 7; House Sparrow, 270; Eastern Meadowlark, 6; **Red-winged Blackbird,** 540,000 (est.); Rusty Blackbird, 5; Purple Grackle, 28,000 (est.); Brown-headed Cowbird, 35; Cardinal, 358; Am. Goldfinch, 27; Eastern Towhee, 1; Slate-colored Junco, 79; Field Sparrow, 36; White-crowned Sparrow, 40; White-throated Sparrow, 84; Fox Sparrow, 81; Swamp Sparrow, 167; Song Sparrow, 153. **Total,** 76 species; about 633,098 individuals. (One melanistic Red-shouldered Hawk was observed [E.C., P.L., H.B.] and the 50,000 est. unidentified ducks were observed in a mass flight, miles long, coming from the Miss. River and dropping from sight in the R.L.N.W.R. just before dark. Evening blackbird flight showed decrease of 75%).—Howard Barbig (compiler), Evelyn Barbig, Eugene Cypert, Victor Julia, Preston Lane, Charles McPherson, Thomas Walker, Jr.

279. Roan Mountain (Carter-Mitchell Cos.), Tenn.–N.C. (from crossing of old and new roads [3750 ft.] via old road to Carvers Gap [5512 ft.], thence west-southwest to Roan High Bluff [6285 ft.] and east to Grassy Bald [6189 ft.], respectively, route of descent from Carvers Gap same as on ascent; deciduous woodland 45%, spruce and fir mixed with *Rhododendron catawbiense* 35%, grassy area to some extent covered with alder bushes 20%).—Dec. 26; 7 a.m. to 5:25 p.m. Clear, temporary light cloudiness in p.m., excellent visibility; temp. 19° to 30°; wind NE to NW, 8-30 m.p.h.; ground frozen, scattered remnants of snow. One observer. Total hours, 10½; total miles, 14 (on foot). Cooper's Hawk, 1 (5500 ft.); Red-tailed Hawk, 1 (5900 ft.); Ruffed Grouse, 2 (3800 ft., 5500 ft.); Hairy Woodpecker, 1 (4650 ft.); Downy Woodpecker, 2 (4400 ft.); Common Raven, 2 (6300 ft.); Am. Crow, 184 (5800-6000 ft); chickadee (sp.), 2 (4950 ft.); Tufted Titmouse, 7 (4000-4300 ft.); Red-breasted Nuthatch, 7 (5500-5600 ft.); Cardinal, 3 (4000 ft.); Pine Siskin, 32 (5550-6150 ft.); Am. Goldfinch, 1 (4100 ft.); Eastern Towhee, 1 (4000 ft.); Slate-colored (Carolina) Junco, 40 (3900-6200 ft.); Field Sparrow, 3 (4250 ft.); Song Sparrow, 1 (3750 ft.). **Total,** 17 species; 290 individuals.—Fred W. Behrend (Elizabethton Chapter, T.O.S.).

280. Birmingham, Ala. (circle centered in Merkle and including East Lake to Oak Mountain and Elmwood Cemetery to Lake Purdy and intervening areas, mostly south and east of city; oak-pine woodland 33%, woodland borders and shrubby areas 28%, pastures 18%, suburban areas 10%, lake front 8%, cultivated fields 3%).—Dec. 26; 5:45 a.m. to 6 p.m. Clear and cold; temp. 21° to 59°; wind variable, 0-22 m.p.h. (prevailing WNW 5 m.p.h.); water levels so low that an excess of 5 in. of rain in Dec. was not enough to bring them near normal. Twenty-two observers in 5 parties. Total party-hours, 48½ (38 on foot, 10½ by car); total party-miles, 180 (40 on foot, 140 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Pintail, 7; Green-winged Teal, 1; Canvas-back, 15; Lesser Scaup, 60; Turkey Vulture, 2; **Red-tailed Hawk,** 14; Red-shouldered Hawk, 5; Peregrine Falcon, 1 (1st count record); Sparrow Hawk, 7; Bob-white, 25 (2 coveys); Am. Coot, 35; Killdeer, 110; Wilson's Snipe, 10; Mourning Dove, 16; Horned Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 58; Pileated Woodpecker, 9; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 31; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 7; Downy Woodpecker, 30; **Red-cockaded Woodpecker,** 12; Eastern Phoebe, 2; Blue Jay, 143; Am. Crow, 36; Carolina Chickadee, 112; Tufted Titmouse, 52; White-breasted Nuthatch, 22; **Red-breasted Nuthatch,** 13 (3 parties); Brown-headed Nuthatch, 19; Brown Creeper, 5; House Wren, 2; Winter Wren, 13; Bewick's Wren, 10; Carolina Wren, 93; Mockingbird, 99; Catbird, 1 (B.C., E.E.—only 2nd time in 18 years); Brown Thrasher, 20; Am. Robin, 74; Hermit Thrush, 32; Eastern Bluebird, 86; Golden-crowned Kinglet, 61; Ruby-crowned Kinglet, 66; Water Pipit, 46; Cedar Waxwing, 52; Loggerhead Shrike, 23; Common Starling, 12,100+; Myrtle Warbler, 10; Pine Warbler, 21; House Sparrow, 82+; Eastern Meadowlark, 185; Red-winged Blackbird, 620; Rusty Blackbird, 5000±; Purple Grackle, 10,000±; Brown-headed Cowbird, 136; Cardinal, 221; Purple Finch, 10; Pine Siskin, 5; Am. Goldfinch, 193; Eastern Towhee, 134; Savannah Sparrow, 29; Vesper Sparrow, 2; **Pine-woods Sparrow,** 2 (M.F.P.); Slate-colored Junco, 516; Chipping Sparrow, 7; Field Sparrow, 142; **White-crowned Sparrow,** 47; White-throated Sparrow, 448; Fox Sparrow, 7; Swamp Sparrow, 139; Song Sparrow, 138. **Total,** 75 species; about 31,787 individuals. Water-bird numbers very low, woodpeckers and finches high. (Seen Dec. 19: Mallard, 3; Am. Widgeon, 1.)—Jinnie Brewer, Lee Brewer, Emmy Brownlie, Blanche H. Chapman, F. Bozeman Daniel, Cantey DuBose, Lucius B. DuBose, Elizabeth Eddy, Mildred Ferris, Malcolm Harden, Thomas A. Imhof (compiler), Anne Patton, Morton H. Perry, Morton H. Perry, Jr., Robert Perry, M. F. Prather, Nannie Myrtle Price, Grace Snead, Idalene Snead, Harriet

Wright, Adele West, Eugene West (Birmingham Audubon Society).

281. Decatur, Ala. (Wheeler National Wildlife Refuge, north shore of Tennessee River, Whiteside to just beyond Triana; south shore, Decatur to Cave Spring inclusive; sloughs managed for waterfowl 50%, woods borders and brushy areas 35%, cultivated fields and pastures 6%, uncultivated fields 5%, hardwood bottoms 4%).—Jan. 2; 7:15 a.m. to 5:15 p.m. Clear to cloudy (sky .0-1.0); temp. 33° to 64°; wind S, averaging 15 m.p.h.; water levels low but approaching normal after long drought; water open, ground bare. Eleven observers in 3 parties. Total party-hours, 27½ (19½ on foot, 7 by car, 1 by plane); total party-miles, 241 (14 on foot, 137 by car, 90 by plane). Great Blue Heron, 90; Canada Goose, 8700±; Snow Goose, 50; Blue Goose, 350; Mallard, 22,000±; Black Duck, 2000; Gadwall, 31; Am. Widgeon, 1500; Pintail, 2000; Green-winged Teal, 400; Shoveller, 25; Ring-necked Duck, 60; Canvasback, 22; Lesser Scaup, 40; Buffle-head, 2; Hooded Merganser, 283; Am. Merganser, 9; Red-breasted Merganser, 1; Turkey Vulture, 18; Black Vulture, 7; Cooper's Hawk, 4; Red-tailed Hawk, 20; Red-shouldered Hawk, 4; Bald Eagle, 2 (ads.); Marsh Hawk, 25; Peregrine Falcon, 2 (3?); Sparrow Hawk, 1; Bob-white, 9; Killdeer, 150; Least Sandpiper, 31 (T.A.I.); Herring Gull, 3; Ring-billed Gull, 500; Mourning Dove, 112; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 11; Eastern Phoebe, 2; Horned Lark, 30; Blue Jay, 32; **Am. Crow,** 20,000± (large roost 5 miles west of circle); Carolina Chickadee, 31; Tufted Titmouse, 4; Brown Creeper, 2; Carolina Wren, 15; Mockingbird, 45; Brown Thrasher, 1; Am. Robin, 88; Hermit Thrush, 6; Eastern Bluebird, 26; Golden-crowned Kinglet, 1; Water Pipit, 212; Cedar Waxwing, 27; Loggerhead Shrike, 21; Common Starling, 400; Myrtle Warbler, 11; House Sparrow, 130; Eastern Meadowlark, 210; Red-winged Blackbird, 300; Rusty Blackbird, 2; Purple Grackle, 1000 (1 flock); Cardinal, 140; Purple Finch, 9; Am. Goldfinch, 42; Eastern Towhee, 37; Savannah Sparrow, 62; Vesper Sparrow, 15; Slate-colored Junco, 90; Field Sparrow, 185; White-crowned Sparrow, 50; White-throated Sparrow, 120; Fox Sparrow, 6; Swamp Sparrow, 57; Song Sparrow, 90; **Lapland Longspur,** 3 (T.A.I.). **Total,** 79 species; about 61,983 individuals. Coverage of 95% of refuge by plane showed 9100 geese and 29,600 ducks; some misses due to insufficient coverage especially wooded habitat; however, lack of Am. Coot inexplicable.—Thomas Z. Atkeson, Frank Brewer, Lee Brewer, Ernest Byford, Malcolm Harden, Robert Helle, Thomas A. Imhof (compiler), John Owen, Anne Patton, M. F. Prather, Tom Sandlin (Alabama Ornithological Society and U.S. Fish and Wildlife Service).

282. Montgomery, Ala. (7½-mile radius south of city centering on Hayneville, Ala., and including towns of Hayneville, Lowndesboro, Letohatchee, Beachwood, and intervening areas; piney woods 15%, cultivated pasture 10%, open pasture with native grasses 45%, bottomlands and swamps with hardwood 20%, artificial ponds 1%, towns 5%, upland hardwoods 2%, scrub growth 2%).—Dec. 31; 8:30 a.m. to 5:30 p.m. Clear; temp. 37° to 54°; wind 7 m.p.h., N and NE changing to NW in p.m.; water levels about normal, water standing in fields. Three observers in 2 parties. Total party-hours, 16½ (6 on foot, 8½ by car, 2 on horseback); total party-miles, 35 (5 on foot, 25 by car, 5 on horseback). Pied-billed Grebe, 1; Great Blue Heron, 2; Canada Goose, 5; Mallard, 20; Pintail, 5; Wood Duck, 2; Greater Scaup, 5 [no details—Ed.]; Ruddy Duck, 1; Turkey Vulture, 35; Black Vulture, 39; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 11; Marsh Hawk, 4; Sparrow Hawk, 7; Bob-white, 15; Am. Coot, 14; Killdeer, 23; Mourning Dove, 7; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 1; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 10; Downy Woodpecker, 11; Red-cockaded Woodpecker, 2; Eastern Phoebe, 11; Blue Jay, 25; Am. Crow, 89; Carolina Chickadee, 11; Tufted Titmouse, 3; Brown-headed Nuthatch, 2; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 18; Mockingbird, 26; Catbird, 1; Brown Thrasher, 30; Am. Robin, 26; Hermit Thrush, 12; Eastern Bluebird, 47; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 4; Water Pipit, 125; Cedar Waxwing, 3; Loggerhead Shrike, 43; Common Starling, 245; Solitary Vireo, 1; Myrtle Warbler, 7; Pine Warbler, 3; House Sparrow, 45; Eastern Meadowlark, 79; Red-winged Blackbird, 243; Brewer's Blackbird, 2 (B.S.); Purple Grackle, 16; Brown-headed Cowbird, 12; Cardinal, 35; Purple Finch, 28; Am. Goldfinch, 11; Eastern Towhee, 18; Savannah Sparrow, 42; Slate-colored Junco, 5; Field Sparrow, 23; White-throated Sparrow, 34; Swamp Sparrow, 3; Song Sparrow, 9. **Total,** 70 species; 1624 individuals.—Homer Lochridge, Julian Rice, Bill Summerour.

283. Moon Lake, Lula, Miss. (same route as 1952; lake from shoreline drive 20%, levee 5%, narrow timbered bayous 30%, highway and old cottonfields and pasture 25%, wooded bottoms 20%).—Jan. 3; 7:40 a.m. to 5 p.m. Clear; temp. 38° to 52°; wind light. Five observers in one party. Total hours, 13 (9 on foot, 4 by car); total miles, 72 (12 on foot, 60 by car). Horned Grebe, 5; Pied-billed Grebe, 3; Double-crested Cormorant, 10; Great Blue Heron, 2; Canada Goose, 8; Mallard, 58; Gadwall, 21; Pintail, 3; Ring-necked Duck, 3; Canvas-back, 606 (est.); Lesser Scaup, 305; **Ruddy Duck,** 5153 (est.); Hooded Merganser, 208; Am. Merganser, 8; Red-breasted Merganser, 2; Turkey Vulture, 8; Black Vulture, 47; Cooper's Hawk, 1 (dead, recent); Red-tailed Hawk, 3; Sparrow Hawk, 4; Bob-white, 1; Am. Coot, 74; Killdeer, 20; Wilson's Snipe, 1; Herring Gull, 3; Ring-billed Gull, 630+; Mourning Dove, 76; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 2; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 4; Yellow-

bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 13; Eastern Phoebe, 2; Blue Jay, 67; Am. Crow, 13; Carolina Chickadee, 36; Tufted Titmouse, 5; Brown Creeper, 2; Winter Wren, 10; Bewick's Wren, 1; Carolina Wren, 16; Mockingbird, 14; Brown Thrasher, 4; Am. Robin, 151; Hermit Thrush, 3; Eastern Bluebird, 5; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 8; Loggerhead Shrike, 12; Common Starling, 820 (est.); Myrtle Warbler, 68; House Sparrow, 205; Eastern Meadowlark, 93; Red-winged Blackbird, 261; Rusty Blackbird, 24; Purple Grackle, 82; Cardinal, 141; Am. Goldfinch, 29; Eastern Towhee, 1; Savannah Sparrow, 108; Slate-colored Junco, 35; Field Sparrow, 31; White-crowned Sparrow, 6; White-throated Sparrow, 87; Fox Sparrow, 2; Swamp Sparrow, 9; Song Sparrow, 34; Lapland Longspur, 1. **Total,** 71 species; about 9720 individuals.—Tommy Fleming, Richmond Gill, Jr., George Peyton, Jr., Alice Smith, R. Demett Smith, Jr. (compiler).

284. Rara Avis, Miss. (chiefly northwest, along Miss. highway 23 at Gum Creek to Ala. line, west on ridge [Poplar Springs] to Chubby Creek; old road from Mt. Zion Church through Rara Avis and Hurricane Creek bottom; deciduous wooded bottoms 20%, mixed hardwoods-pine 40%, fields, pastures, and roadsides 40%).—Dec. 25; 6:50 a.m. to 5 p.m. Cloudy; temp. 24° to 45°; wind after 10 a.m., 7-10 m.p.h. One observer. Total hours, 10 (7 on foot, 3 by car); total miles, 42 (6 on foot, 36 by car). Turkey Vulture, 4; Killdeer, 2; Wilson's Snipe, 8; Mourning Dove, 5; Screech Owl, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker 2; Downy Woodpecker, 3; Blue Jay, 5; Am. Crow, 16; Carolina Chickadee, 10; Tufted Titmouse, 6; Brown Creeper, 1; Winter Wren, 9; Carolina Wren, 14; Mockingbird, 7; Brown Thrasher, 3; Am. Robin, 2; Hermit Thrush, 7; Eastern Bluebird, 2; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 3; Myrtle Warbler, 1; House Sparrow, 1; Eastern Meadowlark, 74; Red-winged Blackbird, 90; Purple Grackle, 28; Cardinal, 30; Purple Finch, 1; Am. Goldfinch, 16; Eastern Towhee, 30; Slate-colored Junco, 135; Field Sparrow, 78; White-throated Sparrow, 161; Fox Sparrow, 1; Swamp Sparrow, 25; Song Sparrow, 91. **Total,** 41 species; 909 individuals.—Ben B. Coffey, Jr.

285. Stafford Springs, Miss. (hotel grounds and pond, Camp Waukaway and east 7 miles from U.S. highway 11, 7 miles west through Heidelberg and Miss. highway 528, Vossburg; upland pine woods 40% with pine-bay bottom 10%, mixed woods 15%, weedy fields 15%, roadside and pastures 20%).—Jan. 1; 6:40 a.m. to 5:10 p.m. Partly cloudy; temp. 40° to 72°; wind calm to 7 m.p.h. Two observers chiefly together. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 40 (5 on foot, 35 by car). Hooded Merganser, 1; Turkey Vulture, 6; Black Vulture, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 1; Bob-white, 4; Killdeer, 3; Mourning Dove, 18; Barred Owl, 1; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 9; Eastern Phoebe, 9; Blue Jay, 43; Am. Crow, 7; Carolina Chickadee, 18; Tufted Titmouse, 10; Brown-headed Nuthatch, 8; Brown Creeper, 3; House Wren, 1; Winter Wren, 4; Bewick's Wren, 2; Carolina Wren, 20; Mockingbird, 15; Brown Thrasher, 3; Am. Robin, 73; Hermit Thrush, 5; Eastern Bluebird, 47; Golden-crowned Kinglet, 57; Ruby-crowned Kinglet, 29; Water Pipit, 19; Cedar Waxwing, 84; Loggerhead Shrike, 5; Common Starling, 36; Solitary Vireo, 1; Myrtle Warbler, 356; Pine Warbler, 12; Common Yellow-throat, 2; House Sparrow, 21; Eastern Meadowlark, 60; Red-winged Blackbird, 80; Rusty Blackbird, 2; Purple Grackle, 566; Brown-headed Cowbird, 50; Cardinal, 52; Purple Finch, 3; Pine Siskin, 6; Am. Goldfinch, 33; Eastern Towhee, 31; Savannah Sparrow, 7; Vesper Sparrow, 35; Slate-colored Junco, 91; Chipping Sparrow, 35; Field Sparrow, 105; White-throated Sparrow, 236; Fox Sparrow, 1; Swamp Sparrow, 48; Song Sparrow, 32. **Total,** 63 species; 2446 individuals. Starlings and grackles, 6 each, except for estimated flocks at small local roost at Vossburg.—Mr. and Mrs. Ben B. Coffey, Jr.

286. Allendale, Mich. (Allendale to Grand Haven and return on a different route; also a hike from Bass River, along Grand River, to Allendale; urban 5%, pastured river banks 30%, open farmlands 30%, lakes 10%, cedar swamp 5%, maple swamp 10%, waste lands and evergreen plantation 10%).—Dec. 29; 8 a.m. to 5 p.m. Mostly cloudy; temp. 28° to 40°; wind SW to W, 0-15 m.p.h.; very little snow; small lakes frozen, Lake Michigan very rough, creeks and rivers open. Two observers in 1 party. Total hours, 9 (5 on foot, 4 by car); total miles, 48 (6 on foot, 42 by car). Great Blue Heron, 1; Black Duck, 1; scaup (sp.), 4; Am. Golden-eye, 26; Am. Merganser, 2; Sharp-shinned Hawk, 1; Rough-legged Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 20; Herring Gull, 607 (600 est., 7); Bonaparte's Gull, 26; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 5; Am. Crow, 3; Black-capped Chickadee, 19; Tufted Titmouse, 7; White-breasted Nuthatch, 14; Brown Creeper, 2; Golden-crowned Kinglet, 2; Common Starling, 18; House Sparrow, 50; Cardinal, 20; Am. Goldfinch, 38; Slate-colored Junco, 67; Am. Tree Sparrow, 43; Song Sparrow, 1. **Total,** 28 species; about 990 individuals. (Seen in area Dec. 28: Red Crossbill, 2; Jan. 2: Vesper Sparrow, 1 [observed in open field; white tail feathers and breast stripes noted —P.H.].)—Peter Hovingh, Jr., James Ponshair.

287. Ann Arbor, Mich. (Huron River valley and adjoining areas from 8 miles west of town to 4 miles east of town and 10 miles north; bottomland and river 20%, deciduous woodlots 25%, coniferous plantations 5%, fields and roadsides 40%, tamarack swamp 10%).—Dec. 27; 7:45 a.m. to 12 m., 1 to 4:30 p.m. Partly cloudy; temp. 27° to 36°; wind W, 5-10 m.p.h.; 1-in. snow; lakes partly frozen, river

open. Fourteen observers in 3 parties. Total party-hours, 23 (16½ on foot, 6½ by car); total party-miles, 139 (24 on foot, 115 by car). Canada Goose, 26; Black Duck, 23; Green-winged Teal, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 5; Sparrow Hawk, 2; Bob-white, 27; Ring-necked Pheasant, 13; Herring Gull, 1; Mourning Dove, 15; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 32; Horned Lark, 20; Blue Jay, 52; Am. Crow, 31; Black-capped Chickadee, 58; Tufted Titmouse, 15; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 130; Myrtle Warbler, 3; House Sparrow, 699 (est.); **Brewer's Blackbird,** 1 (♂ seen at 100 ft. as it fed with House Sparrows in a barnyard; medium-sized bill and tail, all black color except some iridescence—E.B., H.H., M.M., K.T.); Cardinal, 70; Purple Finch, 8; Am. Goldfinch, 112; Slate-colored Junco, 157; Am. Tree Sparrow, 314; Swamp Sparrow, 3; Song Sparrow, 26. **Total,** 39 species; about 1899 individuals.—Ernest Allmendinger, Andrew Berger, Helen Blanchet, Margaret Branch, Ralph Branch, Edwin Burrows, Esther Byers, Marie Donegan, Wilfred Goodman, Harry Hann (compiler), William Hopkins, Maxine Miles, Keith Taylor, John Willoughby (Washtenaw Audubon Club).

288. Battle Creek, Mich. (from center of town to Gull Lake; same area covered since 1931; in parts of Calhoun and Kalamazoo counties; wooded river-bank areas 30%, open farmland 30%, lake front 30%, other 10%).—Dec. 27; 7:30 a.m. to 9 p.m. Clear in a.m., then cloudy; temp. 24° to 35°; wind very light; Gull Lake and rivers open, all other lakes frozen; 2-in. snow on ground. Seven observers in 3 parties. Total party-hours, 24 (6 on foot, 18 by car); total party-miles, 161 (8 on foot, 153 by car). Horned Grebe, 4; **Black-crowned Night Heron,** 1 (caught alive by trapper along Kalamazoo River and taken to Kellogg Sanctuary on Dec. 27); **Whistling Swan,** 1 (wintering with captive swans at Kellogg Sanctuary); Canada Goose, 2554; Mallard, 971; Black Duck, 1221; Pintail, 1; Ring-necked Duck, 9; Canvas-back, 43; Lesser Scaup, 1; Am. Golden-eye, 222; Buffle-head, 17; Hooded Merganser, 5; Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Ruffed Grouse, 1; Bob-white, 18; Ring-necked Pheasant, 1; Am. Coot, 226; Herring Gull, 104; Mourning Dove, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 35; Am. Crow, 9; Black-capped Chickadee, 18; Tufted Titmouse, 9; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Brown Creeper, 3; Golden-crowned Kinglet, 8; Cedar Waxwing, 4; Common Starling, 37; **Myrtle Warbler,** 1 (observed at close range—E.M.B., Jr., W.D.); House Sparrow, 82; Cardinal, 28; Purple Finch, 10; Am. Goldfinch, 30; Slate-colored Junco, 118; Am. Tree Sparrow, 59; Song Sparrow, 8. **Total,** 46 species; 5900 individuals. (Carolina Wren, 1 observed outside of census area; Pine Siskins Dec. 26.)—Lawrence H. Walkinshaw (compiler), Judith Bingham, Edward M. Brigham, Jr., Edward M. Brigham III, William A. Dyer, Arthur E. Staebler, Clifford N. Walters.

289. Bay City, Mich. (area same as since 1950).—Jan. 2; 8:30 a.m. to 5 p.m. Mostly sunny; temp. 28° to 38°; wind W to NW, 0-5 m.p.h.; ground partially covered with 1-in. snow. Saginaw Bay open, rivers partly open. Sixteen observers in 3 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 170 (10 on foot, 160 by car). Pied-billed Grebe, 16; Black-crowned Night Heron, 21; Mallard, 400; Black Duck, 1350; Redhead, 1; Am. Golden-eye, 34; Buffle-head, 1; Hooded Merganser, 2; Am. Merganser, 7; Red-breasted Merganser, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Bald Eagle, 2; Marsh Hawk, 5; Sparrow Hawk, 4; Ring-necked Pheasant, 227; Am. Coot, 18; Herring Gull, 11; Ring-billed Gull, 4; Mourning Dove, 38; **Snowy Owl,** 8; Downy Woodpecker, 8; Horned Lark, 3; Blue Jay, 40; Am. Crow, 340; Black-capped Chickadee, 11; Tufted Titmouse, 11; White-breasted Nuthatch, 11; Brown Creeper, 3; Am. Robin, 1; Gray Shrike, 3; Common Starling, 729; House Sparrow, 1412; Red-winged Blackbird, 1; Purple Grackle, 3; Brown-headed Cowbird, 19; Cardinal, 14; Am. Goldfinch, 17; White-winged Crossbill, 12 (B.W.); Savannah Sparrow, 1 (I.J.); Slate-colored Junco, 5; Am. Tree Sparrow, 122; Song Sparrow, 6; Snow Bunting, 428. **Total,** 45 species; 5360 individuals.—C. Bachman III, R. Cornell, M. Cuthbert, N. Cuthbert, A. Davis, D. Davis, I. Jorae, E. Kenaga (compiler), J. King, P. Lavoy, F. Maxwell, E. Staudacher, B. Winchell, A. Winston, L. Wolf, M. Wolf.

290. Boyne City, Mich. (area same as in 1949 to 1951).—Dec. 26; 8:30 a.m. to 4:30 p.m. Mostly cloudy; temp. 25° to 35°; wind W to NW, 5-15 m.p.h.; ground covered with 1-4-in. snow; Lake Charlevoix partly frozen, Lake Michigan and rivers open. Three observers in 1 party. Total hours, 8 (3 on foot, 5 by car); total miles, 53 (3 on foot, 50 by car). Mute Swan (wild), 4; Canada Goose, 3; Mallard, 17; Black Duck, 12; Pintail, 1; Lesser Scaup, 87; Am. Golden-eye, 142; Buffle-head, 1; Hooded Merganser, 1; Am. Merganser, 6; Ruffed Grouse, 4; Herring Gull, 490; Ring-billed Gull, 29; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 1; Am. Crow, 41; Black-capped Chickadee, 17; White-breasted Nuthatch, 3; Am. Robin, 1; Common Starling, 202; House Sparrow, 461; Purple Grackle, 3; Cardinal, 3; Pine Siskin, 60; Red Crossbill, 6; Snow Bunting, 3. **Total,** 27 species; 1605 individuals.—S. Bailey, E. Kenaga (compiler), J. Kenaga.

291. Detroit, Mich. (7½-mile radius centering at Middlebelt and Orchard Lake Rds. in Oakland Co., circumference touching Maybee Rd. on north, 12 miles to the south, S. Commerce on west, Crooks Rd. on east; lakes and streams 8%, urban and subur-

ban 30%, open fields 46%, beech-maple 2½%, oak-hickory 10¼%, conifer ¼%, bog, swamp, and marsh 3%).—Dec. 27; 8 a.m. to 3:30 p.m. Sunny in a.m., cloudy in p.m.; temp. 29° to 37°; wind NW, 2-5 m.p.h.; ground covered with 2-4-in. snow; small lakes mostly frozen, larger lakes open. Seventy-four observers in 17 parties and 4 feeding-station reports. Total party-hours, 120¼ (57¾ on foot, 62½ by car); total party-miles, 534 (85 on foot, 449 by car). Pied-billed Grebe, 1; Mallard, 266; Black Duck, 234; Redhead, 4; **Ring-necked Duck,** 1 (G.K.); Canvas-back, 2; scaup (sp.), 23; Am. Golden-eye, 62; **Ruddy Duck,** 1 (♀—R.A.O'R.); Hooded Merganser, 15; Am. Merganser, 1; **Sharp-shinned Hawk,** 1 (W.P.N.); Cooper's Hawk, 6; Red-tailed Hawk, 17; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 8; Sparrow Hawk, 19; Ruffed Grouse, 2; Bob-white, 176; Ring-necked Pheasant, 229; **Virginia Rail,** 1 (flushed 3 times and approached as close as 1 ft., all field marks checked—N.K.); Am. Coot, 2; Killdeer, 2; Herring Gull, 11; Ring-billed Gull, 8; Mourning Dove, 242; Belted Kingfisher, 7; Yellow-shafted Flicker, 13; Red-headed Woodpecker, 4; Hairy Woodpecker, 25; Downy Woodpecker, 82; Horned Lark, 51; Blue Jay, 293; Am. Crow, 214; Black-capped Chickadee, 316; Tufted Titmouse, 30; White-breasted Nuthatch, 78; Red-breasted Nuthatch, 10; Brown Creeper, 5; Long-billed Marsh Wren, 1 (observed at 5 ft.; eye-stripe and striped back noted—R.C.); Am. Robin, 38; Eastern Bluebird, 7; Golden-crowned Kinglet, 36; Cedar Waxwing, 88; Gray Shrike, 4; Common Starling, 1316; Myrtle Warbler, 2; House Sparrow, 2452; Eastern Meadowlark, 32; Rusty Blackbird, 4 (individuals seen by 3 different parties—R.A.O'R., H.D.R., M.R.); Cardinal, 217; Purple Finch, 15; Pine Siskin, 60; Am. Goldfinch, 552; Eastern Towhee, 4; Slate-colored Junco, 867; Am. Tree Sparrow, 1956; Swamp Sparrow, 5; Song Sparrow, 93. **Total,** 60 species; 10,216 individuals.—Lucy Arzvian, Doris Bell, Mrs. Bower, Ed. Cutler, E. M. Cutler, Rupert Cutler, Frank and Charles Damm, Mary A. Devaney, Mr. and Mrs. Lee Diamond, Roger Erksson, Ken Foster, Robert M. Frehse, David French, Mary Gairdner, Virginia Garst, Edith Goyette, J. Robert Graham, Gaza Hufnagel, Bob Hutcheson, Phil Irvan, Mrs. Bette Johnston, Mr. and Mrs. Neil Kelley, George Kelly, Mr. and Mrs. Homer Knight, V. Knowles, Keith, John, and Glenn Kreag, Mr. and Mrs. L. Lenz, Mr. and Mrs. Carol Lets, Chris Lets, Louise Lockeman, Harold D. Mahan, Dr. D. S. McGeen (compiler), Mr. and Mrs. John McMillan, Ann McMillan, Robert and Betsy Merriam, Douglas S. Middleton, Leon Moore, Alvin Mudge, Bill Mussnig, Walter P. and Rima Nickell, Barbara Olney, Ralph A. O'Reilly, Jr., Kay Petts, Madge Prior, Millie Reynolds, Homer D. and Ronald Roberts, Althea, Marjorie, and Robert Rogers, Kenneth Sanderson, Winnie Shilling, James P. Smith, Jr., Sandy Strasen, George Smart, Arthur Sweet, Thomas Teeter, Dr. A. P. and Paul Ullrich, Harriet Woolfenden (7 participants not listed) (Detroit Audubon Society).

292. Grand Rapids, Mich. (7½-mile radius from Campau Square in Grand Rapids, including Reeds Lake, Chief Hazy-Cloud Park, Johnson Park, and 2 feeding stations; urban 30%, city parks 30%, deciduous swamps 5%, lakes 20%, fields 10%, river banks 5%).—Dec. 27; 9 a.m. to 4:30 p.m. Overcast; temp. 34° to 38°; wind W to WNW, 0-20 m.p.h.; 1-in. snow; small lakes frozen (Reeds Lake open in middle), Grand River open. Seventeen observers in 8 parties. Total party-hours, 36 (8 on foot, 8 by car, 20 at feeding stations); total party-miles, 36 (8 on foot, 28 by car). Mallard, 147; Black Duck, 15; scaup (sp.), 10; Am. Golden-eye, 117; Red-shouldered Hawk, 2; Ring-necked Pheasant, 3; Am. Coot, 90±10; Herring Gull, 126; Mourning Dove, 2; Belted Kingfisher, 5; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 23; Blue Jay, 30; Am. Crow, 45; Black-capped Chickadee, 111; Tufted Titmouse, 14; White-breasted Nuthatch, 42; Brown Creeper, 7; Am. Robin, 2; Golden-crowned Kinglet, 34; Common Starling, 1321 (1300 est.); House Sparrow, 127; Cardinal, 18; Purple Finch, 3; Common Redpoll, 1; Pine Siskin, 2; Am. Goldfinch, 37; Slate-colored Junco, 117; Am. Tree Sparrow, 24; Song Sparrow, 1. **Total,** 32 species; about 2485 individuals. (Seen in area Jan. 1: Fox Sparrow, 1 [Mr. and Mrs. A. G. Curtis].)—Mr. and Mrs. Richard F. Baldwin, Clayton Bazuin, Eleanor Burgess, Benjamin DeVries, Bernard J. Gryska, Mrs. E. Frank Hall, Peter Hovingh, Jr., Florence Jarvis, Marian Jennings, Inez Jenson, Mr. and Mrs. Charles Johnson, James Ponshair, C. A. J. Richards, Mrs. Arlene Sweet, Terry Thure (Grand Rapids Audubon Club).

293. Imlay City, Mich. (same area as covered during preceding 5 years; farms and open pasture lands 50%, fencerows and abandoned brush-covered fields 33%, deciduous woodlots 10%, marshes, ponds, and streams 5%, white cedar swamps 1%, village and suburbs 1%).—Dec. 26; 5:45 a.m. to 6:15 p.m. Mostly cloudy; some snow flurries; temp. 35° to 31°; wind W, 15-20 m.p.h.; about 3-in. snow on ground; most ponds and streams frozen. Thirteen observers in 5 parties. Total party-hours, 41 (17 on foot, 24 by car); total party-miles, 202 (18 on foot, 184 by car). Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Rough-legged Hawk, 11; Marsh Hawk, 3; Sparrow Hawk, 3; Ruffed Grouse, 6; Bob-white, 21; Ring-necked Pheasant, 171; Mourning Dove, 32; Screech Owl, 4; Horned Owl, 1; Long-eared Owl, 2; Short-eared Owl, 3; Yellow-shafted Flicker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 16; Horned Lark, 7; Blue Jay, 25; Am. Crow, 569; Black-capped Chickadee, 63; Tufted Titmouse, 5; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 1; **Winter Wren,** 3 (observed at 12 ft. for 10 min.—D.W., M.Z., D.Z.); Am. Robin, 1; Golden-crowned Kinglet, 12; Gray Shrike, 5; Common Starling, 329; House Sparrow, 1062; Eastern Meadowlark, 7; Cardinal, 52; Purple Finch, 1; Am. Goldfinch, 244; **Vesper Sparrow,** 2 (clearly seen at 8-10 ft. for 15 min.—M.H., V.L., M.A.L.); Slate-colored Junco, 134; **Oregon Junco,** 1 (collected); Am. Tree Spar-

row, 497; **Field Sparrow,** 11 (clearly seen at 8-10 ft. for 15 min.—M.H., V.L., M.A.L.); Song Sparrow, 17. **Total,** 41 species; 3357 individuals.—Olive Betcher, Mary Hall, Martha A. Lengemann (compiler), Velma Linekar, D. S. Middleton, Alice D. Miller, Leon Moore, James Smith, Jr., David Walsh, Dale Zimmerman, Marion Zimmerman, Leta Pearl Zimmerman, L. M. Zimmerman.

294. Kalamazoo, Mich. (area same as last 5 years; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water 5%).—Dec. 26; 8:15 a.m. to 4:45 p.m. Cloudy, snow flurries; temp. 32° to 38°; wind NW, 10-20 m.p.h.; 2-4-in. soft snow; running water and portions of larger lakes unfrozen; ground soft in places. Nineteen observers in 7 parties. Total party-hours, 25 (15 on foot, 10 by car); total party-miles, 186 (26 on foot, 160 by car). Great Blue Heron, 1; Mallard, 14; Black Duck, 2; Lesser Scaup, 1; Am. Golden-eye, 73; Cooper's Hawk, 3; Sparrow Hawk, 3; Bob-white, 25; Ring-necked Pheasant, 28; Killdeer, 4; Wilson's Snipe, 1; Herring Gull, 8; Ring-billed Gull, 1; Mourning Dove, 43; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 7; Hairy Woodpecker, 4; Downy Woodpecker, 29; Blue Jay, 139; Am. Crow, 171; Black-capped Chickadee, 55; Tufted Titmouse, 59; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 8; Hermit Thrush, 4; Eastern Bluebird, 2; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 2 (H.L.B.); Cedar Waxwing, 7; Common Starling, 314; Myrtle Warbler, 2; House Sparrow, 423; Red-winged Blackbird, 2; Rusty Blackbird, 1 (W.A.F.); Cardinal, 62; Purple Finch, 7; Am. Goldfinch, 22; Eastern Towhee, 1; Slate-colored Junco, 668; Am. Tree Sparrow, 661; Field Sparrow, 1 (T.V.); Swamp Sparrow, 3; Song Sparrow, 29. **Total,** 47 species; 2958 individuals. (Seen in area Dec. 27 and 29: Yellow-bellied Sapsucker, 1.)—H. Lewis Batts, Jr., Mr. and Mrs. C. B. Cook, Letha Culver, Charles Dann, W. A. Freyburger, Lindsey Goss, Gladys A. Hall (compiler), Charlotte and Florence Lilly, Helen Master, Bernadine Mott, Dorothy Pieters, Ten Van Velzen, Dorothy Vestal, Dr. and Mrs. Joseph Webb, Mr. and Mrs. Harold Wiles (Audubon Society of Kalamazoo).

295. Mount Clemens, Mich. (same area surrounding Anchor Bay, Lake St. Clair, as covered in 1951 and 1952; open farmland 32%, roadside borders 18%, second-growth deciduous woodlands 25%, cattail marsh edges 2%, farm buildings 5%, towns and suburbs 7%, swamp 1%, open water 10%).—Jan. 2; 8 a.m. to 4:30 p.m. Intermittent sun and cloudiness; temp. 32° to 50°; wind SW, 12 m.p.h.; all roads in perfect driving condition; open water prevalent in most areas. Fifty-nine observers in 15 parties. Total party-hours, 105 (25 on foot, 80 by car); total party-miles, 648.7 (50.5 on foot, 598.2 by car). Pied-billed Grebe, 7; Whistling Swan, 46; Mallard, 41; Black Duck, 89; Redhead, 2; Ring-necked Duck, 4 [no details—Ed.]; Canvas-back, 380; scaup (sp.), 168; Am. Golden-eye, 431; Buffle-head, 19; Old-squaw, 2; Am. Merganser, 59; Red-breasted Merganser, 6; Cooper's Hawk, 5; Red-tailed Hawk, 29; Red-shouldered Hawk, 1; Rough-legged Hawk, 20; Bald Eagle, 2; Marsh Hawk, 57; Sparrow Hawk, 40; Bob-white, 51; Ring-necked Pheasant, 131; Am. Coot, 2; Herring Gull, 134; Ring-billed Gull, 150; Bonaparte's Gull, 56; Mourning Dove, 4; Belted Kingfisher, 1; Hairy Woodpecker, 10; Downy Woodpecker, 35; Horned Lark, 7; Blue Jay, 68; Am. Crow, 289; Black-capped Chickadee, 134; Tufted Titmouse, 31; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 2; Brown Creeper, 10; Winter Wren, 3; Catbird, 1 [no details—Ed.]; Golden-crowned Kinglet, 19; Gray Shrike, 1; shrike (sp.), 3; Common Starling, 2548; House Sparrow, 2995; Eastern Meadowlark, 57; Red-winged Blackbird, 10; Rusty Blackbird, 25 [no details—Ed.]; Purple Grackle, 1; Cardinal, 28; Am. Goldfinch, 410; Slate-colored Junco, 103; Am. Tree Sparrow, 867; Swamp Sparrow, 3; Song Sparrow, 24. **Total,** 54 species; 9659 individuals.—Leroy Anderson, Ronald Bearss, Mrs. Ben Boldt, John Buckholz, Morris Carroll, Lynn Carroll, Fred Carroll, Charles Cuthbertson, Bertha Daubendiek (compiler), Mrs. C. H. Daubendiek, Mrs. Madeline deBusschere, Andrea deBusschere, Daniel deBusschere, David deBusschere, Lenore deBusschere, Tom Deriemaecker, Mr. and Mrs. Lee Diamond, David Fenton, Lynn Folkerts, Harold Fournier, William Fournier, Frank Hogan, Sr., Frank Hogan, Tom Hogan, William F. Hopkins, Geza Hufnagel, Mrs. Elmer Jasper, Theodore Johnston, Mrs. Taft Johnston, Cass Kierblewski, Mrs. James McEvoy, Charles W. McLaughlin, Mr. and Mrs. John D. McMillan, Ann McMillan, Daniel McMillan, Robert McMillan, Duane McNaught, Douglas Middleton, Richard Murphy, Roger Nickles, Beverly Nickles, Henry Parkinson, Michael Petitpren, Paul Racine, Betty Rivard, Robert Rivard, Charles Rivard, James Rivard, Mr. and Mrs. Louis Senghas, Paul Schonschack, Thelma Sonnenberg, Elton Stilwell, Dale Strong, John VanNieuwal, Mrs. Sam Wietersen, Mrs. William Wilcox (St. Clair Metropolitan Beach Sanctuary Association).

296. Mt. Pleasant, Mich. (7½-mile radius centering on Town Line School 2 miles northwest of Mt. Pleasant, and including Mt. Pleasant millpond area, Chippewa River to Woodruff Lake and Coldwater Lake area; town suburbs 5%, upland deciduous forest 5%, upland coniferous forest 3%, bottomland deciduous forest 50%, bottomland coniferous forest 6%, plowed field 10%, pasture 10%, lakes and millponds 10%, cattail marsh 1%).—Dec. 26; 8 a.m. to 5 p.m. Alternately clear and snow flurries; temp. 28° to 32°; wind NW, 10 m.p.h.; open countryside nearly clear of snow, deep woods with 3-in. snow, Coldwater Lake open (very unusual), smaller lakes frozen, rivers open. Six observers in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 73 (9 on foot, 64 by car). Mallard, 200 (125 est., 75); Black Duck, 141; Am. Golden-eye, 49; Hooded Merganser, 1; Am. Merganser, 7; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed

Grouse, 9; Ring-necked Pheasant, 7; Mourning Dove, 21; Hairy Woodpecker, 4; Downy Woodpecker, 16; Blue Jay, 6; Am. Crow, 3; Black-capped Chickadee, 77; Tufted Titmouse, 11; White-breasted Nuthatch, 27; Brown Creeper, 2; Winter Wren, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 7; Common Starling, 57; House Sparrow, 34; Cardinal, 32; Purple Finch, 21; Am. Goldfinch, 81; Slate-colored Junco, 69; Am. Tree Sparrow, 28; Field Sparrow, 4 (I.F.J., N.L.C., W.S.); Song Sparrow, 5. **Total,** 30 species; about 924 individuals.—Irene F. Jorae, Florence Maxwell, William Southern, Hazel Green, Mabel J. Cuthbert, Nicholas L. Cuthbert (Chippewa Valley Bird Club).

297. Muskegon, Mich. (6-mile radius from business section to State Park duneland, riverbottoms, Muskegon Lake to channel and along Lake Michigan beach; lakeshore and channel 50%, business and residential 25%, duneland 15%, riverbottoms 10%). —Jan. 2; 9 a.m. to 5:30 p.m. Temp. 38° to 34°; wind WNW to NW, 15-2 m.p.h.; ground bare; waterways free of ice. Eight observers in 1 party. Total party-hours, 8½ (7 on foot, 1½ by car); total party-miles, 20 (5 on foot, 15 by car). Whistling Swan, 5; Canada Goose, 1; Mallard, 22; Black Duck, 152; Redhead, 4; Greater Scaup, 1; Lesser Scaup, 460; Am. Golden-eye, 1291; Bufflehead, 9; Old-squaw, 71; Ruddy Duck, 1; Am. Merganser, 200; Bald Eagle, 2; Ring-necked Pheasant, 5; Killdeer, 2; Herring Gull, 710; Ring-billed Gull, 28; Snowy Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 13; Blue Jay, 15; Black-capped Chickadee, 24; Tufted Titmouse, 12; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 6; Winter Wren, 2; Golden-crowned Kinglet, 6; Common Starling, 72; House Sparrow, 230; Cardinal, 9; Am. Goldfinch, 5; Eastern Towhee, 1; Slate-colored Junco, 27; Am. Tree Sparrow, 4; Song Sparrow, 3; Snow Bunting, 3. **Total,** 36 species; 3403 individuals.—George Wickstrom, Gilbert Tweist, Floyd Kuehnl, Elizabeth Vandegrift, Mary Elizabeth Whelan, Hazel White, Robert Moblo, Margaret Elliott (compiler) (Muskegon County Bird Club).

298. Northville, Mich. (7½-mile radius centering on 12 Mile Road and Hass Road and including parts of Kensington Park and Proud Lake Recreation Area; open meadows and cultivated fields 50%, marsh 15%, woodlots 15%, conifer grove 5%, suburbs 15%).—Dec. 26; 8 a.m. to 4:30 p.m. Cloudy and clear; snow flurries; temp. 32°; wind W to E, 5-25 m.p.h.; ground partly covered with snow; lakes almost wholly frozen but rivers mainly clear. Eleven observers in 1 party. Total party-hours, 8 (4½ on foot, 3½ by car); total party-miles, 92 (2 on foot, 90 by car). Canada Goose, 158; Mallard, 35; Black Duck, 225; Pintail, 2 (observed flying 15 ft. overhead); Wood Duck, 2; Canvas-back, 5; Am. Golden-eye, 190; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 5; unidentified hawks, 19; Bob-white, 20; Ring-necked Pheasant, 13; Herring Gull, 2; unidentified gull, 1; Screech Owl, 1; Yellow-shafted Flicker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 21; Am. Crow, 39; Black-capped Chickadee, 22; Tufted Titmouse, 8; White-breasted Nuthatch, 6; Brown Creeper, 2; Hermit Thrush, 2 (observed at 10 ft. for 5 min.); Golden-crowned Kinglet, 5; Gray Shrike, 1; Common Starling, 674; House Sparrow, 296; Rusty Blackbird, 1 (seen at 20 ft. for 10 min.; very tame); Cardinal, 17; Am. Goldfinch, 74; Slate-colored Junco, 62; Am. Tree Sparrow, 90; Song Sparrow, 4. **Total,** 36 species; 2010 individuals. (Seen in area during Count period: Cooper's Hawk, 1; Red-shouldered Hawk, 1; Mourning Dove, 5; Eastern Bluebird, 2.) (Seen in area by W. Hopkins and C. Damm: Ruffed Grouse, 7; Swamp Sparrow, 3; Hooded Merganser, 2.)—Sally Ford, Margaret Ann Fredsell, Eleanor Hammond, Cris Hammond, Catherine Hartley, Harold Duncan Hartley, Harold S. Hartley (compiler), Tom Heatley, Frank Muller, Dick Root, Alice Woodruff.

299. Owosso, Mich. (same area as in 1951).—Dec. 27; 7:30 a.m. to 5:30 p.m. Clear, turning cloudy by noon; temp. 30° to 35°; wind SW, 5-10 m.p.h.; 1-2-in. snow; river and brook mostly frozen. Twelve observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 60 (8 on foot, 52 by car). Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Ring-necked Pheasant, 61; Mourning Dove, 3; Screech Owl, 2; Belted Kingfisher, 2; Hairy Woodpecker, 1; Downy Woodpecker, 14; Horned Lark, 6; Blue Jay, 20; Am. Crow, 116; Black-capped Chickadee, 54; Tufted Titmouse, 8; White-breasted Nuthatch, 10; Brown Creeper, 8; Golden-crowned Kinglet, 1; Common Starling, 118; House Sparrow, 263; Eastern Meadowlark, 20; Cardinal, 49; Am. Goldfinch, 1; Slate-colored Junco, 35; Am. Tree Sparrow, 62; Song Sparrow, 4. **Total,** 26 species; 865 individuals. (Seen in area Jan. 1: Sparrow Hawk, 1.)—Gary Drummelsmith, John Schenck, Don Horton, Steven Haver, Charles David, Gerald Antcliff, Phillip Henderson, Walt Haskins, Bruce Bates, Barry Bates, Mike Barie, Bruce V. Wilson (compiler).

300. Bloomington, Ind. (same area as 1952; 1536-acre lake [built in 1953] is in area and was censused; upland deciduous forest 11%, coniferous forest 23%, bottomland deciduous forest 6%, bottomland grassy and crop field 17%, upland grassy and crop field 9%, bottomland brushy field 11%, freshwater lake shore 13%, urban wooded campus 10%). —Jan. 2; 5:45 a.m. to 5:30 p.m. Sunny until 4 p.m.; temp. 28° to 48°; wind S to SW, average 30 m.p.h.; ground bare, muddy at mid-day; streams open, lakes 15% open. Seven observers in 1 party, separating into groups of 2 or 3 for short periods. Total party-hours, 17½ (13 on foot, 4½ by car); total party-miles, 134 (19 on foot, 115 by car). Pied-billed Grebe, 1; Mallard, 21,502 (21,500 est., 2); Black Duck, 1002 (1000 est., 2); Lesser Scaup, 2; Am. Merganser, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 1; Killdeer, 9; Wilson's Snipe, 2; Herring Gull, 4; Mourning Dove, 21; Screech Owl, 3;

Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 20; Pileated Woodpecker, 2; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 22; Blue Jay, 92; Am. Crow, 266; Carolina Chickadee, 98; Tufted Titmouse, 53; White-breasted Nuthatch, 5; Brown Creeper, 2; Carolina Wren, 6; Mockingbird, 2; Am. Robin, 34; Eastern Bluebird, 19; Golden-crowned Kinglet, 5; Common Starling, 9685 (9500 est., 185); Myrtle Warbler, 2; House Sparrow, 102; Eastern Meadowlark, 9; Red-winged Blackbird, 4; Rusty Blackbird, 6; Purple Grackle, 142; Brown-headed Cowbird, 1; Cardinal, 101; Purple Finch, 16; Am. Goldfinch, 116; Eastern Towhee, 13; Slate-colored Junco, 303; Am. Tree Sparrow, 92; Field Sparrow, 1; White-crowned Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 34. **Total,** 54 species; about 33,843 individuals. (Seen in area Dec. 26: Yellow-bellied Sapsucker, 1; Dec. 31: Ruddy Duck, 1; Marsh Hawk, 1; Ruffed Grouse, 2.)—John Andrews, Duane Carmony, Mr. and Mrs. Sears Crowell, Pierre Ferverda, Val Nolan, Jr. (compiler), Jon Rickert.

301. Brownstown, Ind. (7½-mile radius centering 2½ miles northeast of courthouse, and including Freetown, Cortland, Vallonia, and southeast to Dudleytown, then northeast to edge of Seymour; riverbottom 50%, lake shore 2%, deciduous woods 6%, pine planting–cattail marsh 1%, cultivated fields 30%, abandoned fields 10%, residential 1%).—Dec. 25; 7 a.m. to 5 p.m. Partly cloudy to clear by 11:30; temp. 25° to 40°; wind WSW, 5-7 m.p.h.; ground bare; ponds, sloughs, and lakes frozen. One observer. Total hours, 10 (8 on foot, 2 by car); total miles, 48 (8 on foot, 40 by car). Mallard, 1144 (1090 est., 54); Black Duck, 127 (120 est., 7); Am. Widgeon, 2; Pintail, 8; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 8; Bobwhite, 33; Killdeer, 6; Mourning Dove, 121; Short-eared Owl, 5; Belted Kingfisher, 3; Yellow-shafted Flicker, 20; Pileated Woodpecker, 2; Red-bellied Woodpecker, 15; Hairy Woodpecker, 3; Downy Woodpecker, 28; Eastern Phoebe, 1; Horned Lark, 180; Blue Jay, 19; Am. Crow, 86; Carolina Chickadee, 41; Tufted Titmouse, 28; White-breasted Nuthatch, 7; Brown Creeper, 4; Carolina Wren, 7; Mockingbird, 1; Am. Robin, 27; Eastern Bluebird, 49; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 2; Common Starling, 116; Myrtle Warbler, 5; House Sparrow, 42; Eastern Meadowlark, 122; Red-winged Blackbird, 12; Rusty Blackbird, 13; Cardinal, 83; Purple Finch, 2; Am. Goldfinch, 38; Eastern Towhee, 10; Slate-colored Junco, 48; Am. Tree Sparrow, 58; Field Sparrow, 2; White-crowned Sparrow, 1; White-throated Sparrow, 2; Swamp Sparrow, 22; Song Sparrow, 49; Lapland Longspur, 1. **Total,** 50 species; about 2567 individuals. (Seen in area Dec. 26: Savannah Sparrow, 1; Dec. 27: Wilson's Snipe, 2; Dec. 28: Cooper's Hawk, 1; Green-winged Teal, 4; Canvas-back, 1; Ring-necked Duck, 1; Lesser Scaup, 1; Dec. 29: Great Blue Heron, 1; Winter Wren, 1; Jan. 1: Yellow-bellied Sapsucker, 1.)—Russell E. Mumford.

302. Hanover College, Hanover, Ind. (Clifty Falls State Park to Hanover College, Ohio River and adjacent field and woods, to Nabb; pasture 20%, upland deciduous forest 30%, riverbottom and shore 15%, grassy abandoned fields 15%, campus 10%, cropland 10%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Rain until 1 p.m., then cloudy; temp. 40° to 42°; wind E, 0-3 m.p.h.; ground bare; ponds and streams frozen, river open. Six observers in 2 parties. Total party-hours, 9½ (7½ on foot, 2 by car); total party-miles, 74 (5 on foot, 69 by car). Mallard, 224; Black Duck, 22; Cooper's Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 5; Wilson's Snipe, 3; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 21; Pileated Woodpecker, 2; Red-bellied Woodpecker, 22; Hairy Woodpecker, 3; Downy Woodpecker, 16; Horned Lark, 14; Blue Jay, 1; Am. Crow, 9; Carolina Chickadee, 58; Tufted Titmouse, 31; Carolina Wren, 10; Mockingbird, 4; Am. Robin, 2; Eastern Bluebird, 14; Golden-crowned Kinglet, 4; Common Starling, 5; Myrtle Warbler, 3; House Sparrow, 130; Cardinal, 66; Am. Goldfinch, 15; Slate-colored Junco, 55; Am. Tree Sparrow, 69; White-crowned Sparrow, 1; Swamp Sparrow, 9; Song Sparrow, 45. **Total,** 33 species; 869 individuals. (Seen in area Dec. 27: Yellow-bellied Sapsucker, 1.)—Mr. and Mrs. J. R. Bunnell, J. B. Cope (compiler), G. L. Ward, J. D. Webster, N. Wilson.

303. Hovey Lake State Game Preserve (Posey Co.), Ind. (same area as 1952).—Dec. 27; 7 a.m. to 4:30 p.m. Clear; temp. 25° to 40°; wind NE, 3-5 m.p.h.; ground bare; ponds and streams frozen, rivers open. Seven observers in 3 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 135 (10 on foot, 125 by car). Canada Goose, 100; Mallard, 34,000 (est.); Black Duck, 2300 (est.); Pintail, 7; Ring-necked Duck, 2; Canvas-back, 1; Lesser Scaup, 19; Buffle-head, 8; Red-tailed Hawk, 6; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 6; Bobwhite, 2; Am. Coot, 1; Herring Gull, 1; Ring-billed Gull, 64; Mourning Dove, 137; Barred Owl, 5; Short-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 15; Pileated Woodpecker, 1; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 33; Horned Lark, 32; Blue Jay, 21; Am. Crow, 570; Carolina Chickadee, 55; Tufted Titmouse, 43; White-breasted Nuthatch, 13; Winter Wren, 2; Carolina Wren, 7; Am. Robin, 31; Eastern Bluebird, 4; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 1; Water Pipit, 50; Cedar Waxwing, 1; Common Starling, 317; Myrtle Warbler, 28; House Sparrow, 130; Eastern Meadowlark, 25; Red-winged Blackbird, 57; Purple Grackle, 400; Brown-headed Cowbird, 105; Cardinal, 103; Am. Goldfinch, 17; Eastern Towhee, 11; Slate-colored Junco, 112; Am. Tree Sparrow, 107; Field Sparrow, 2; **Harris's Sparrow,** 1 (adult observed at 30 ft. with 7x35 glasses; pink bill, black throat, and black crown unmistakable—J.B.C.); White-crowned Sparrow, 1; White-throated Sparrow, 20; Fox Sparrow,

4; Swamp Sparrow, 1; Song Sparrow, 50. **Total,** 62 species; about 39,122 individuals. (Seen in area Dec. 26: Great Blue Heron, 6; Mockingbird, 1.)—Mr. and Mrs. J. R. Bunnell, J. B. Cope (compiler), G. L. Ward, Jack Webster, J. D. Webster, N. Wilson.

304. Indianapolis, Ind. (same area as previous years).—Dec. 26; 6:15 a.m. to 5:30 p.m. Broken overcast; temp. 28° to 40°; wind WNW to NW, 8-26 m.p.h.; ground bare; most water frozen except parts of Geist Reservoir. Twelve observers in 5 parties. Total party-hours, 33 (15 on foot, 18 by car); total party-miles, 168 (16 on foot, 152 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Black-crowned Night Heron, 8; Canada Goose, 13; Mallard, 6111 (6000 est., 111); Black Duck, 2075 (2000 est., 75); Gadwall, 3; Pintail, 9; Green-winged Teal, 5; Wood Duck, 2; Canvas-back, 6; Am. Golden-eye, 16; Hooded Merganser, 3; Am. Merganser, 202; Cooper's Hawk, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 5; Bob-white, 13; Ring-necked Pheasant, 5; Am. Coot, 4; Killdeer, 3; Ring-billed Gull, 3; Mourning Dove, 151; Barn Owl, 1; Barred Owl, 1; Short-eared Owl, 3 (P.K., J.M.S., H.C.W.); Belted Kingfisher, 6; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 37; Horned Lark, 9; Blue Jay, 32; Am. Crow, 128; Carolina Chickadee, 25; Tufted Titmouse, 32; White-breasted Nuthatch, 9; Brown Creeper, 15; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 3; Brown Thrasher, 1 (D.W.); Eastern Bluebird, 8; Golden-crowned Kinglet, 10; Common Starling, 14,173 (12,000 est., 2173); House Sparrow, 274; Eastern Meadowlark, 10; Red-winged Blackbird, 34; Purple Grackle, 23; Brown-headed Cowbird, 2; Cardinal, 99; Common Redpoll, 7 (M.C., *et al.*); Pine Siskin, 14; Am. Goldfinch, 22; Slate-colored Junco, 184; Am. Tree Sparrow, 81; Field Sparrow, 5; White-throated Sparrow, 3; Song Sparrow, 37. **Total,** 63 species; about 23,975 individuals. (Seen in area during Count week: Shoveller, 2; White-crowned Sparrow, 9; Swamp Sparrow, 2.)—W. B. Barnes, Marlete Campbell, Mildred Campbell, R. S. Gregory, P. Kahl (compiler), C. McDowell, F. McDowell, J. M. Satter, H. C. West, D. White, R. E. Woodard, Howard F. Wright.

305. Jasper-Pulaski State Game Preserve, Medaryville, Ind. (same as 1952).—Dec. 26; 8:15 a.m. to 4:15 p.m. Cloudy to partly clear; temp. 35° to 32°; wind SW, 12 m.p.h.; 1-4-in. snow; some small springs open but ditches and marsh frozen. Four observers in 1 party. Total hours, 8 (7 on foot, 1 by car); total miles, 26 (9 on foot, 17 by car). Canada Goose, 97; Mallard, 9; Black Duck, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 2; Bob-white, 9; Ring-necked Pheasant, 3; Wilson's Snipe, 1; Mourning Dove, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 40; Am. Crow, 23; Black-capped Chickadee, 19; Tufted Titmouse, 16; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 4; Golden-crowned Kinglet, 4; Gray Shrike, 1; Common Starling, 5; House Sparrow, 5; Eastern Meadowlark, 15; Red-winged Blackbird, 3; Cardinal, 25; Am. Goldfinch, 13; Eastern Towhee, 2; Slate-colored Junco, 430; Am. Tree Sparrow, 308; White-throated Sparrow, 4; Swamp Sparrow, 16; Song Sparrow, 18. **Total,** 38 species; 1104 individuals.—Paul Davis, Nora Grow, Raymond Grow (compiler), Simon Segal.

306. Lafayette, Ind. (7½-mile radius centering at top of route 52 by-pass hill, same area as in past 7 years; creekbottom 40%, riverbottom 21%, deciduous woods 15%, fields 14%, cattail marshes 6%, low woods and brush 3%, evergreen woods 1%).—Jan. 2; 4 a.m. to 5 p.m. Clear, cloudy by 4 p.m.; temp. 37° to 53°; wind SSW to SW, 18-30 m.p.h.; ground bare, light frost; streams clear, ponds frozen. Nineteen observers in 9 parties. Total party-hours, 61 (55 on foot, 6 by car); total party-miles, 116 (60 on foot, 56 by car). Mallard, 21; Black Duck, 6; Lesser Scaup, 1; Am. Golden-eye, 189; Cooper's Hawk, 3; Red-tailed Hawk, 19; Rough-legged Hawk, 1; Marsh Hawk, 22; Sparrow Hawk, 10; Bob-white, 29; Ring-necked Pheasant, 2; Killdeer, 7; Wilson's Snipe, 1; Herring Gull, 1; Mourning Dove, 136; Screech Owl, 3; Horned Owl, 4; **Long-eared Owl,** 17; Belted Kingfisher, 18; Yellow-shafted Flicker, 41; Red-bellied Woodpecker, 48; Red-headed Woodpecker, 11; Hairy Woodpecker, 6; Downy Woodpecker, 120; Eastern Phoebe, 1; Horned Lark, 18; Blue Jay, 77; Am. Crow, 1040; Black-capped Chickadee, 70; Tufted Titmouse, 137; White-breasted Nuthatch, 24; Brown Creeper, 46; Winter Wren, 9; **Bewick's Wren,** 1 (whitish underparts, much white in tail—Mr. and Mrs. S.S.); Carolina Wren, 18; Am. Robin, 5; Eastern Bluebird, 7; Golden-crowned Kinglet, 31; Common Starling, 25,000 (est.); Myrtle Warbler, 3; House Sparrow, 730; Eastern Meadowlark, 55; Red-winged Blackbird, 76; Rusty Blackbird, 10; Purple Grackle, 500; Brown-headed Cowbird, 6; Cardinal, 122; Am. Goldfinch, 64; Eastern Towhee, 2; **Savannah Sparrow,** 1 (yellow over eye, well-streaked underparts; seen closely—Mr. and Mrs. S.S.); Slate-colored Junco, 319; Am. Tree Sparrow, 609; Field Sparrow, 41; White-throated Sparrow, 4; Fox Sparrow, 1; Swamp Sparrow, 19; Song Sparrow, 79. **Total,** 57 species; about 29,840 individuals. (Seen in area Dec. 31: Yellow-bellied Sapsucker, 1; Jan. 1: Red-breasted Nuthatch, 1; Ruby-crowned Kinglet, 1.)—Irving (compiler) and Peter Burr, Leland Chandler, Karleton Crain, Mrs. S. Cromer, Marvin Davis, Marvin DeJonge, Mr. and Mrs. Albert Guy, Horace Jackson, Nicholas Kazarinoff, Charles Kirkpatrick, Carl Leopold, Howard Michaud, Donald Stullken, Mr. and Mrs. Stanley Suddarth, Gordon Walker, Merritt Webster.

307. Mary Gray Bird Sanctuary, Connersville, Ind. (251 acres; woodland 40%, old fields [10% of which have been planted to pines] 50%, cultivated

land and pond area 10%).—Dec. 27; 9 a.m. to 4 p.m. Temp. 23° to 44°; wind SW, 15-20 m.p.h.; ground bare; ponds frozen, few springs open. Three observers in 1 party. Total hours, 7 (all on foot); total miles, 5 (all on foot). Mourning Dove, 20; Saw-whet Owl, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 15+; Blue Jay, 3; Am. Crow, 21; Carolina Chickadee, 20; Tufted Titmouse, 32; White-breasted Nuthatch, 6; Carolina Wren, 1; Mockingbird, 1; Am. Robin, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 4; House Sparrow, 40; Eastern Meadowlark, 1; Cardinal, 18; Am. Goldfinch, 4; Eastern Towhee, 3; Slate-colored Junco, 60+; Am. Tree Sparrow, 80+; Song Sparrow, 25+. **Total,** 24 species; about 378 individuals.—Helen Zimmerman, Harold Zimmerman, Edna Banta (compiler).

308. Michigan City, Ind. (same as 1952, but more areas worked in the circle).—Dec. 27; 7 a.m. to 5 p.m. Clear to cloudy; temp. 31° to 40°; wind S, 9 m.p.h.; ground bare, some snow in shade pockets; ditches and rivers partly frozen, Lake Michigan open. Ten observers in 5 parties. Total party-hours, 29 (20 on foot, 9 by car); total party-miles, 198 (18 on foot, 180 by car). Horned Grebe, 10; **Western Grebe,** 1 (seen regularly in Michigan City Harbor since Nov. 28 in good light at 50-400 yds. with 20x scope and 7x glasses; large size and black and white coloration noted; long, slender neck, and light yellowish bill clearly seen—T.C., P.D., N.G., R.G., V.R., J.S., S.S.); Mallard, 185; Black Duck, 290; Pintail, 7; Redhead, 6; Canvas-back, 14; Greater Scaup, 6 (wing-stripe clearly seen at 50 yds.); Lesser Scaup, 236; Am. Golden-eye, 280; Buffle-head, 212; Old-squaw, 596; Ruddy Duck, 4; Hooded Merganser, 9; Am. Merganser, 353; Red-breasted Merganser, 114; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 4; Bob-white, 23; Ring-necked Pheasant, 6; **Red Phalarope,** 1 (at Michigan City Harbor on Dec. 5, 12, and 27; seen at various times in flight, sitting or spinning in water at 75-300 yds. with 20x and 30x scopes and 7x glasses; in winter plumage with slate-blue back, and wing-stripe; whitish head with nape stripe; so-called "phalarope" mark through eye more of a patch than thinnish stripe of other winter phalaropes; thick and shorter bill also clearly seen; seen on Count only once, in flight at 200 yds.—N.G., R.G., S.S.); Herring Gull, 623; Ring-billed Gull, 203; Bonaparte's Gull, 51; **Black-legged Kittiwake,** 1 (imm., with dark neck bar, black primaries, black fore-border of wing, and black tail bar; dark transverse bar striking in flight, which was more graceful and buoyant than that of larger gulls present for size contrast; seen many times in flight at 50-100 yds. with 20x scope and 7x glasses—T.C., P.D., N.G., R.G., V.R., J.S., S.S.); Mourning Dove, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 26; Blue Jay, 74; Am. Crow, 85; Black-capped Chickadee, 17; Tufted Titmouse, 30; White-breasted Nuthatch, 13; Winter Wren, 2; Carolina Wren, 1; Catbird, 1 (seen at 20 ft. with 7x glasses); Am. Robin, 3; Gray Shrike, 1; Common Starling, 329; House Sparrow, 1202; Red-winged Blackbird, 204; Rusty Blackbird, 7; Cardinal, 37; Purple Finch, 9; Am. Goldfinch, 61; Eastern Towhee, 2; Slate-colored Junco, 445; Am. Tree Sparrow, 735; Field Sparrow, 6; **White-crowned Sparrow,** 10; White-throated Sparrow, 4; Swamp Sparrow, 7; Song Sparrow, 19. **Total,** 58 species; 6586 individuals. (Reported during count period: Am. Widgeon, White-winged Scoter, Surf Scoter, Am. Scoter [at least 1 individual of each scoter species apparently wintering at Michigan City harbor], Sharp-shinned Hawk, Cooper's Hawk, Rough-legged Hawk, Am. Coot, Killdeer, Snowy Owl [seen almost daily at Michigan City since about Dec. 15], Pine Siskin, Common Redpoll.)—Ted Chandik, Paul Davis, Nora Grow, Raymond Grow (compiler), John Hawkinson, Gail Howes, Lois Howes, Virginia Reuter-Skiold, Jean Segal, Simon Segal.

309. New Castle, Ind. (7½-mile radius centering at courthouse, including Westwood and southwest to Greensborough, and Mt. Lawn; east and northeast including Epileptic Village land; west and northwest beyond Cadiz, including Memorial Park and golf course; plowed land 40%, deciduous woodlots 30%, public park woodland with large ponds and small marsh 5%, pine planting of trees 15-20 years old 5%, marshland mostly dry this year due to unbroken summer drought 10%, stream sides of Duck Creek and Blue River 10%).—Jan. 2; 8 a.m. to 4 p.m. Clear; temp. 32° to 58°; wind S to SW, 25-30 m.p.h. and gusty; ground bare; ponds very low and frozen, water open in Duck Creek and Blue River. Twelve observers in 3 parties. Total party-hours, 18 (10 on foot, 8 by car); total party-miles, 79 (19 on foot, 60 by car). Mute Swan, 4; Mallard, 110; Black Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 6; Sparrow Hawk, 1; Mourning Dove, 2; Barred Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 23; Blue Jay, 10; Am. Crow, 2675; Black-capped Chickadee, 31; Tufted Titmouse, 32; White-breasted Nuthatch, 20; Brown Creeper, 1; Carolina Wren, 6; Am. Robin, 2; Golden-crowned Kinglet, 7; Common Starling, 767+; House Sparrow, 318+; Cardinal, 16; Am. Goldfinch, 9; Slate-colored Junco, 31; Am. Tree Sparrow, 17; Song Sparrow, 34. **Total,** 35 species; about 4157 individuals.—Harold Zimmerman, Edna Banta (compiler), Mary E. Rankin, Freda Wilt, Ida Kate Clampitt, Philip Clampitt, Jean Cannon, Janet Fleming, Robert Rinehart, Flo Morgan, Wilbur Patrick, Alvin Lake.

310. Northern Lake County, Ind. (7½-mile radius centering on Chase St. and the Grand Calumet River in Gary, and including areas in or near Whiting, Griffith, New Chicago, and East Gary; river banks 40%, lake front 20%, old fields and cultivated

fields 20%, industrial areas 10%, suburban areas 10%).—Jan. 3; 7:30 a.m. to 5 p.m. Overcast to partly clear; temp. 34° to 38°; wind S, 17-20 m.p.h.; ground bare; all ditches and rivers frozen, Lake Michigan open. Four observers in 1 party. Total hours, 9½ (4½ on foot, 5 by car); total miles, 75 (5 on foot, 70 by car). Horned Grebe, 1; Lesser Scaup, 29; Am. Golden-eye, 325; Old-squaw, 544; Am. Merganser, 24; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Herring Gull, 650 (est.); Ring-billed Gull, 400 (est.); Bonaparte's Gull, 600 (est.); **Little Gull,** 1 (imm., seen at Atlas Cement Co.'s harbor on Dec. 5, 20, 25, and Jan. 3; dark ear spot, diagonal bar across fore-wing meeting black primaries in zigzag pattern; under surface of wing white; black tail band; distinctly smaller than Bonaparte's; call, a land-bird-like *che-e-ep*; seen as close as 10 yds. with 20x scope and 7x glasses by all observers); **Black-legged Kittiwake,** 1 (imm., dark neck bar, black primaries, black fore border of wing, black tail bar; transverse bar striking in flight; size between Bonaparte's and Ring-billed; seen as close as 10 yds. with 20x scope and 7x glasses by all observers); Snowy Owl, 1 (one of 3 reported during count period; 2 were shot on Dec. 31); Belted Kingfisher, 1; Downy Woodpecker, 4; Horned Lark (Prairie), 3; Blue Jay, 2; Am. Crow, 135; Black-capped Chickadee, 1; Tufted Titmouse, 1; Common Starling, 300 (est.); House Sparrow, 100 (est.); Red-winged Blackbird, 235; Rusty Blackbird, 105; Purple Grackle, 75; Brown-headed Cowbird, 14; Cardinal, 3; Purple Finch, 24; Am. Goldfinch, 13; Slate-colored Junco, 85; Am. Tree Sparrow, 175; **White-crowned Sparrow,** 41 (one flock in brush and wood pile and nearby sunflower stand on dumping grounds used by Gary's Park Board District; 2 adults, rest imm. seen at 25 ft.); Swamp Sparrow, 12; Song Sparrow, 8. **Total,** 35 species; about 3918 individuals.—Ted Chandik, Nora Grow, Raymond Grow (compiler), Phil Kahl.

311. Richmond, Ind. (same area as 1952).—Dec. 31; 7 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 17° to 38°; wind SW to W, 12-15 m.p.h.; ground bare; ponds and streams frozen, rivers open. Twelve observers in 3 parties. Total party-hours, 22 (18 on foot, 4 by car); total party-miles, 101 (36 on foot, 65 by car). Great Blue Heron, 4; Mallard, 13; Pintail, 9; Cooper's Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 6; European Partridge, 14; Bobwhite, 18; Killdeer, 12; Mourning Dove, 87; Barred Owl, 3; Short-eared Owl, 5; Belted Kingfisher, 21; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 14; Hairy Woodpecker, 5; Downy Woodpecker, 66; Horned Lark, 52; Blue Jay, 17; Am. Crow, 61; Carolina Chickadee, 141; Tufted Titmouse, 93; White-breasted Nuthatch, 36; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 15; Mockingbird, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 3; Common Starling, 310; House Sparrow, 359; Eastern Meadowlark, 30; Red-winged Blackbird, 2; Cardinal, 125; Am. Goldfinch, 33; Eastern Towhee, 12; Slate-colored Junco, 160; Am. Tree Sparrow, 491; Field Sparrow, 20; White-crowned Sparrow, 6; Swamp Sparrow, 21; Song Sparrow, 152. **Total,** 42 species; 2438 individuals.—J. B. Cope (compiler), S. Frame, C. E. Gifford, J. Hennigar, L. B. Hunt, W. Kem, H. Key, N. Scheffler, M. Snow, G. L. Ward, R. Ware, N. Wilson.

312. South Bend, Ind. (same area as previous counts; deciduous woods 40%, marshland 20%, open farmland 20%, open river 15%, cedar and spruce groves 5%).—Dec. 27; 8 a.m. to 5 p.m. Clear, partly cloudy; temp. 28° to 40°; wind W to SW, 0-12 m.p.h.; 2-in. snow on ground; river and creeks open, lakes partly open. Eighteen observers in 5 parties. Total party-hours, 45 (34 on foot, 11 by car); total party-miles, 125 (39 on foot, 86 by car). Pied-billed Grebe, 1; Mallard, 185; Black Duck, 23; Canvas-back, 3; Am. Golden-eye, 61; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 2; Herring Gull, 65; Mourning Dove, 80; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 11; Red-headed Woodpecker, 13; Hairy Woodpecker, 9; Downy Woodpecker, 19; Blue Jay, 111; Am. Crow, 1382; Black-capped Chickadee, 38; Tufted Titmouse, 39; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 5; Brown Creeper, 7; Winter Wren, 3; Carolina Wren, 1; Am. Robin, 6; Golden-crowned Kinglet, 4; Cedar Waxwing, 23; Common Starling, 362; House Sparrow, 720; Eastern Meadowlark, 11; Cardinal, 71; Purple Finch, 6; Am. Goldfinch, 18; **Vesper Sparrow,** 1 (present since fall—Bro. Edwin); Slate-colored Junco, 192; Am. Tree Sparrow, 168; Field Sparrow, 10; White-throated Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 9. **Total,** 45 species; 3716 individuals.—C. K. Barnes (compiler), Bro. Edwin, Bro. Marius, Helen Dawson, Richard Freshley, John Groet, M. D. Harbaugh, Janet Kochanowski, Michael Lane, Chas. E. Meek, Dorothy Meek, John Pauszek, John Pine, Nancy Rea, Elmer E. Rodgers, Richard Schaffer, Paula Warner, Hugh Woolverton (South Bend Audubon Society).

313. Willow Slough State Game Preserve, Morocco, Ind. (entire preserve plus adjacent Prairie Chicken booming grounds; marsh and marsh border 40%, old fields and cultivated fields 40%, deciduous woods 20%).—Jan. 2; 7:45 a.m. to 5 p.m. Clear to partly cloudy; temp. 35° to 43°; wind S and SW, 17-20 m.p.h.; ground bare; some ditches and part of marsh open, all other water frozen. Five observers in 2 parties. Total party-hours, 10¼ (8¼ on foot, 2 by car); total party-miles, 44 (8 on foot, 36 by car). Great Blue Heron, 1; Canada Goose, 550 (est.); Mallard, 4500 (est.); Black Duck, 1000 (est.); Am. Widgeon, 1; Pintail, 50; Canvas-back, 5; Lesser Scaup, 3; Am. Merganser, 13; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 3; Marsh Hawk, 4; Greater Prairie Chicken, 35; Am. Coot, 1; Ring-billed Gull, 8; Mourning Dove, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 3; Horned Lark (Prairie), 128; Blue Jay, 8; Am. Crow, 158; Common Starling, 15; House Sparrow, 55; Eastern

Meadowlark, 18; Red-winged Blackbird, 13; blackbird (sp.) (no red in wings), 48; Cardinal, 2; Am. Goldfinch, 23; Slate-colored Junco, 37; Am. Tree Sparrow, 58; Swamp Sparrow, 12; Song Sparrow, 10; Lapland Longspur, 42. **Total,** 36 species; about 6811 individuals.—William Barnes, Paul Davis, Nora Grow, Raymond Grow (compiler), Phil Kahl.

314. **Bird Haven Sanctuary (Richland Co.), Ill.** (7½-mile radius centering on Bird Haven, including city park, cemetery, Larchmound, Weber-Shaw Wildlife Refuge, Big Creek, fields and woodlands easily reached by car; open farmlands 85%, deciduous forests 10%, parks and streets of Olney 5%).—Dec. 29; 7 a.m. to 5 p.m. Cloudy, heavy frost until 10:30 a.m.; temp. 17° to 43°; wind light; no snow; some open water by afternoon. Eleven observers in 3 parties, plus 4 at feeding stations. Total party-hours, 28½ (10 on foot, 18½ by car); total party-miles, 282 (20 on foot, 262 by car). Red-tailed Hawk, 15; Red-shouldered Hawk, 6; Marsh Hawk, 12; Sparrow Hawk, 24; Greater Prairie Chicken, 26; Bob-white, 22; Mourning Dove, 237; Barred Owl, 1; Yellow-shafted Flicker, 42; Red-bellied Woodpecker, 21; **Red-headed Woodpecker,** 17; Hairy Woodpecker, 4; Downy Woodpecker, 24; Horned Lark, 24; Blue Jay, 243; Am. Crow, 61; Carolina Chickadee, 75; Tufted Titmouse, 57; White-breasted Nuthatch, 2; Carolina Wren, 19; Mockingbird, 10; Am. Robin, 4; Eastern Bluebird, 64; Loggerhead Shrike, 5; Common Starling, 257; House Sparrow, 1494; Eastern Meadowlark, 185; Cardinal, 282; Purple Finch, 6; **Am. Goldfinch,** 144; Eastern Towhee, 4; Slate-colored Junco, 724; Am. Tree Sparrow, 479; Field Sparrow, 12; White-crowned Sparrow, 13; Song Sparrow, 18. **Total,** 36 species; about 4633 individuals. (Seen in area during Count period: Screech Owl, 1.)—Mr. and Mrs. W. R. Bridges, Mr. and Mrs. Olin Groves, Jimmie Kermicle, Carol Scherer, Mr. and Mrs. Chester Scherer, Lee Scherer, Mrs. Howard Scherer Shaw, Perna M. Stine (compiler).

315. **Bushnell, Ill.** (enroute to and from town and area in and around Brown's Woods 4 miles from town; pasture 10%, deciduous woodlot 65%, hedgerows 5%, town 5%, meadow 15%).—Dec. 27; 9 a.m. to 5 p.m. Clear; temp. 33° to 41°; wind SE, 10-20 m.p.h.. Two observers in 1 party. Total hours, 8 (6 on foot, 2 by car); total party-miles, 40 (10 on foot, 30 by car). Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 4; Mourning Dove, 12; Screech Owl, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 6; Horned Lark, 63; Blue Jay, 8; Am. Crow, 20; Black-capped Chickadee, 17; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Loggerhead Shrike, 1; Common Starling, 92; House Sparrow, 400 (est.); Cardinal, 12; Am. Goldfinch, 9; Vesper Sparrow, 1 (not considered unusual—J.H.S.); Slate-colored Junco, 37; Am. Tree Sparrow, 5; Field Sparrow, 2; White-crowned Sparrow, 4 (observed at close range); White-throated Sparrow, 1; Song Sparrow, 6. **Total,** 27 species; 724 individuals.—Doris R. Scholes, John H. Scholes (compiler).

[On Dec. 29, Larry L. Hood made a count in essentially the same territory, and reported a total of 23 species and 761 individuals. Additional species not listed by Mr. Scholes included Horned Owl, 2; Yellow-shafted Flicker, 1; Rusty Blackbird, 3; Pine Siskin, 4.—Ed.]

316. **Chautauqua National Wildlife Refuge, Havana, Ill.** (Lake Chautauqua with bordering mudflats, marsh, woods, and fields to the south; lake 75%, mudflat 5%, marsh 5%, deciduous woods 10%, fields and hedges 5%).—Jan. 1; 10 a.m. to 5:30 p.m. Clear; temp. 30° to 40°; wind SE, 0-5 m.p.h.; no snow; lake 75% frozen, small streams open. Five observers in 1 party. Total party-hours, 7½ (7 on foot, ½ by car); total party-miles, 18½ (7 on foot, 11½ by car). Great Blue Heron, 60; Canada Goose, 20; Mallard, 50,000; Black Duck, 5000; Blue-winged Teal, 2; Lesser Scaup, 8; Am. Golden-eye, 300; Hooded Merganser, 10; Am. Merganser, 500; Cooper's Hawk, 1; Bald Eagle, 20; Marsh Hawk, 5; Killdeer, 2; Herring Gull, 200; Ring-billed Gull, 100; Mourning Dove, 4; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 10; Horned Lark, 9; Blue Jay, 20; Am. Crow, 500; Black-capped Chickadee, 15; Tufted Titmouse, 10; White-breasted Nuthatch, 4; Carolina Wren, 5; Golden-crowned Kinglet, 6; Common Starling, 100; House Sparrow, 50; Red-winged Blackbird, 700; Rusty Blackbird, 20; Cardinal, 50; Am. Goldfinch, 30; Slate-colored Junco, 50; Am. Tree Sparrow, 200; White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 12; Song Sparrow, 40. **Total,** 43 species; about 58,101 individuals.—Steve Emerson, Carl Gieseking, Jane Morgan, T. N. Morgan (compiler), Nita Neal (Champaign County Audubon Club).

317. **Crab Orchard Wildlife Refuge, Carterville, Ill.** (7½-mile radius centering on Crab Orchard dam; lake shore 40%, swampy woodland 20%, upland woods 25%, open fields 10%, pine plantations 5%).—Dec. 29; 6 a.m. to 3 p.m. Cloudy; temp. 32° to 46°; wind NW, 5-8 m.p.h.; shallow parts of lake covered with ice; foggy in early a.m. Eight observers in 3 parties. Total party-hours, 29 (7 on foot, 22 by car); total party-miles, 129 (7 on foot, 122 by car). Common Loon, 4; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 18; Canada Goose, 46,313 (including 1 Hutchins's); Mallard, 38,568; Black Duck, 7624; Pintail, 2; Green-winged Teal, 7; Canvas-back, 5; Lesser Scaup, 4; Am. Golden-eye, 8; Buffle-head, 7; Ruddy Duck, 1; Hooded Merganser, 36; Am. Merganser, 6241; Red-tailed Hawk, 7; Red-shouldered Hawk, 5; Bald Eagle, 4; Marsh Hawk, 2; Sparrow Hawk, 14; Bob-white, 2; Am. Coot, 10; Killdeer, 1; Herring Gull, 2535; Ring-billed Gull, 6398; Screech Owl, 1; Horned Owl, 3; Barred Owl, 5; Belted Kingfisher, 3; Yellow-shafted Flicker, 68; Pileated Woodpecker, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 6; Hairy Woodpecker, 5; Downy Wood-

pecker, 19; Horned Lark, 1; Blue Jay, 101; Am. Crow, 96; Black-capped Chickadee, 49; Carolina Chickadee, 44; Tufted Titmouse, 30; Brown Creeper, 3; Carolina Wren, 11; Mockingbird, 15; Am. Robin, 20; Eastern Bluebird, 41; Golden-crowned Kinglet, 59; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Common Starling, 291; Myrtle Warbler, 1; House Sparrow, 25; Eastern Meadowlark, 80; Red-winged Blackbird, 525; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 235; Purple Finch, 5; Am. Goldfinch, 186; Eastern Towhee, 6; Slate-colored Junco, 411; Am. Tree Sparrow, 103; White-crowned Sparrow, 16; White-throated Sparrow, 1; Swamp Sparrow, 23; Song Sparrow, 21. **Total,** 67 species (1 additional subspecies); 110,339 individuals.—Eugene Crawford, Harry Stiles, Larry Sheffield, Bill Meneese, Lee Bush (compiler), Richard Brewer, Jack Ellis, Lawrence Corder.

318. Decatur, Ill. (same area as last year; thickets and weed areas 30%, river and stream bottomlands 25%, upland woodlots 20%, water and shore 15%, open fields and pastures 10%).—Dec. 30; 7 a.m. to 5 p.m. Overcast in a.m., clearing in p.m.; temp. 25° to 26°; wind SSW to NNW, 12-15 m.p.h.; ground clear; rivers, streams, and lakes partly frozen. Three observers in 3 parties. Total party-hours, 22 (19 on foot, 3 by car); total party-miles, 60 (40 on foot, 20 by car). Mallard, 1140; Black Duck, 380; Ring-necked Duck, 1; Canvas-back, 6; Greater Scaup, 16 (rounded and greenish-glossed head noted with 20/30/60x telescope—all observers); Lesser Scaup, 1; Am. Golden-eye, 32; Hooded Merganser, 2; Am. Merganser, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 14; Killdeer, 1; Ring-billed Gull, 2; Mourning Dove, 50; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 27; Hairy Woodpecker, 14; Downy Woodpecker, 96; Horned Lark, 11; Blue Jay, 83; Am. Crow, 360; Black-capped Chickadee, 104; Tufted Titmouse, 109; White-breasted Nuthatch, 5; Brown Creeper, 22; Winter Wren, 2; Carolina Wren, 34; Mockingbird, 3; Am. Robin, 4; Golden-crowned Kinglet, 13; Common Starling, 2800 (est.); Myrtle Warbler, 1; House Sparrow, 850; Eastern Meadowlark, 47; Red-winged Blackbird, 10; Purple Grackle, 1; Brown-headed Cowbird, 35; Cardinal, 165; Purple Finch, 7; Am. Goldfinch, 9; Eastern Towhee, 3; Slate-colored Junco, 330; Am. Tree Sparrow, 290; Field Sparrow, 1; White-throated Sparrow, 26; Fox Sparrow, 1; Swamp Sparrow, 35; Song Sparrow, 37. **Total,** 54 species; about 7213 individuals. (Seen in area Dec. 24 to Jan. 3: Double-crested Cormorant, 1; Pintail, 1; Green-winged Teal, 1; Red-breasted Merganser, 1; Cooper's Hawk, 1; King Rail, 1 [exceptionally long bill and large size noted—R.S.]; Short-eared Owl, 1; Barn Owl, 1; Eastern Bluebird, 3; Loggerhead Shrike, 1; Lapland Longspur, 2.)—Robert Kirby, Richard Sandburg, C. D. Fisher (compiler).

319. Elsah, Ill. (same as 1951).—Jan. 2; 6:40 a.m. to 4:30 p.m. Clear; temp. 42° to 56°; wind SW, 0-8 m.p.h. Nine observers in 3 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 30 (8 on foot, 22 by car). Common Loon, 1; Great Blue Heron, 1; Snow Goose, 3; Blue Goose, 15; Mallard, 9; Black Duck, 20; Lesser Scaup, 11; Am. Golden-eye, 3; Am. Merganser, 2; Bald Eagle, 1; Sparrow Hawk, 1; Bob-white, 9; Ring-necked Pheasant, 1; Am. Coot, 70; Killdeer, 1; Herring Gull, 21; Ring-billed Gull, 4; Mourning Dove, 2; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 36; Am Crow, 117; Black-capped Chickadee, 42; Tufted Titmouse, 45; White-breasted Nuthatch, 7; Brown Creeper, 2; Carolina Wren, 7; Mockingbird, 4; Am. Robin, 2; Hermit Thrush, 2; Eastern Bluebird, 21; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 3; Common Starling, 182; Myrtle Warbler, 2; House Sparrow, 39; Red-winged Blackbird, 129; Purple Grackle, 6000 (est.); Cardinal, 32; Am. Goldfinch, 18; Slate-colored Junco, 54; Am. Tree Sparrow, 2; White-throated Sparrow, 4; Song Sparrow, 3. **Total,** 52 species; about 6975 individuals.—J. A. and R. A. Andrews, E. Goodhue, G. B., G. M., and H. G. M. Happ, B. Holland, A. Morgan, J. Wanamaker (compiler).

320. Joliet, Ill. (7½-mile radius centering 3 miles southwest of city, including Pilcher Park, Higginbotham Woods, and McKinley Woods areas; Des Plaines River valley down beyond Channahon, with adjacent I. & M. Canal, and farm roads in vicinity; close or open woodlands 50%, open water 20%, roadside and fields 20%, suburbs and village 10%).—Dec. 26; 7 a.m. to 5 p.m. Overcast; temp. 34° to 38°; wind ENE, 18 m.p.h. at first, diminishing during day; isolated patches of unmelted snow, ground otherwise clear; still water frozen. Eight observers in 3 parties. Total individual-hours, 47 (28 on foot, 19 by car); total individual-miles, 292 (24 on foot, 268 by car) [party-hours and party-miles not given—Ed.]. Great Blue Heron, 5; Mallard, 1500; Black Duck, 700; Pintail, 70; Lesser Scaup, 150; Am. Golden-eye, 150; Ruddy Duck, 12; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Am. Coot, 6; Herring Gull, 98; Ring-billed Gull, 82; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 14; Horned Lark, 1; Blue Jay, 7; Am. Crow, 93; Black-capped Chickadee, 28; Tufted Titmouse, 9; White-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 1; Golden-crowned Kinglet, 4; Gray Shrike, 1; Common Starling, 300; House Sparrow, 190; Eastern Meadowlark, 3; Purple Grackle, 3; Cardinal, 12; Am. Goldfinch, 5; Slate-colored Junco, 47; Am. Tree Sparrow, 65; Song Sparrow, 6. **Total,** 43 species; 3591 individuals. (Seen in area Dec. 24: Robin, 1.)—Mrs. E. D. Collins, W. L. Engel-

hardt, G. N. Hufford, Mrs. G. N. Hufford, W. L. Hughes (compiler), E. Manns, C. D. Stallman, G. H. Woodruff (Joliet Audubon Club).

321. Moline, Ill.–Davenport, Iowa (7½-mile radius centering on River Drive at 35th, including Credit Island, Davenport Mun. Airport, Duck Creek Park, various cemeteries, Locks and Lock Pool's #14 and #15, Barstow area, Milam area, Moline Airport; deciduous woodland 35%, river shoreline 30%, open farmland 25%, coniferous woodland 5%, urban areas 5%).—Dec. 27; 7 a.m. to 5 p.m. Overcast 80%; temp. 29° to 40°; wind S to SW, 10-25 m.p.h.; ground covered in protected areas by old drifts with 1-12-in. snow; river 75% frozen. Twenty-five observers in 10 parties. Total party-hours, 60 (33 on foot, 24 by car, 3 at feeders and sitting in park); total party-miles, 382 (34 on foot, 348 by car). Double-crested Cormorant, 3; Mallard, 94; Pintail, 5; Redhead, 4; Canvas-back, 3; Lesser Scaup, 69; Am. Golden-eye, 452; Buffle-head, 2; Am. Merganser, 110; Red-breasted Merganser, 25; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 22; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; **Bald Eagle,** 46 (mostly concentrated in 2 areas; every effort made to avoid duplication and count believed to be conservative); Marsh Hawk, 2; Peregrine Falcon, 1 (C.E.); Sparrow Hawk, 3; Bob-white, 13; Ring-necked Pheasant, 200; Am. Coot, 1; Herring Gull, 17; Ring-billed Gull, 38; Mourning Dove, 109; Screech Owl, 3; Horned Owl, 2; Barred Owl, 7; Long-eared Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 6; Hairy Woodpecker, 28; Downy Woodpecker, 96; Horned Lark, 19; Blue Jay, 101; Am. Crow, 274; Black-capped Chickadee, 95; Tufted Titmouse, 41; White-breasted Nuthatch, 32; Red-breasted Nuthatch, 5; Brown Creeper, 30; Winter Wren, 8; Carolina Wren, 3; Am. Robin, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 10; Cedar Waxwing, 37; Gray Shrike, 1; Common Starling, 1231; House Sparrow, 417; Eastern Meadowlark, 1; Red-winged Blackbird, 562; Purple Grackle (Bronzed), 4; Cardinal, 83; Evening Grosbeak, 1; Pine Siskin, 1; Am. Goldfinch, 16; Slate-colored Junco, 483; **Oregon Junco,** 2 (L.B.); Am. Tree Sparrow, 619; Field Sparrow, 3; White-throated Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 87; Snow Bunting, 2. **Total,** 68 species; 5592 individuals. (Seen in area Dec. 26: Ring-necked Duck, Hooded Merganser; Jan. 1: White-crowned Sparrow.)—Albert Baily, Lang Baily, Harry Carl, Dick Carlson, Clark Ehlers, Leo Doering, David Fawks, Elton Fawks, Jeannette Graham, Norwood Hazard, James Hodges, Fred Kent, Tom Kent, Gretchen Klammek, Dick Lorenz, Jerry McConoughey, Lowell Miller, Tom Morrissey, Peter Petersen, Jr., Mr. and Mrs. Peter Petersen, Joe Schropp, Roland Schropp, Don Swensson, Ron Swensson.

[On Dec. 25, C. F. Mueller made a count at Davenport, Iowa, covering essentially the same territory, and recorded a total of 29 species and 3621 individuals. Additional species observed by Mr. Mueller included 5 Purple Finches.—Ed.]

322. Murphysboro, Ill. (15-mile diameter with Murphysboro as center, Carbondale Reservoir, Lake Murphysboro, Murphysboro and surrounding territory, Hickory Ridge area; deciduous woods and thickets 45%, water 25%, fields 25%, miscellaneous 5%).—Dec. 26; 6 a.m. to 5:30 p.m. Clear; temp. 34° to 52°; wind WNW, 2-15 m.p.h.; ground bare; portions of Lake Murphysboro and Big Muddy River open, all other water frozen over. Three observers in 3 parties. Total party-hours, 29 (20½ on foot, 8½ by car); total party-miles, 197 (26 on foot, 171 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 3000 (est.); Black Duck, 21; Gadwall, 7; Ring-necked Duck, 15; Greater Scaup, 8 (observed in good light at 30 ft.—R.B., W.H.); Lesser Scaup, 4; Am. Golden-eye, 1; Hooded Merganser, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 8; Bob-white, 18; Am. Coot, 9; Killdeer, 10; Wilson's Snipe, 8; Herring Gull, 2; Ring-billed Gull, 265; Mourning Dove, 45; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 40; Pileated Woodpecker, 4; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 30; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 4; Downy Woodpecker, 13; Horned Lark, 8; Blue Jay, 51; Am. Crow, 50; Black-capped Chickadee, 2; Carolina Chickadee, 92; Tufted Titmouse, 52; White-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 18; Mockingbird, 2; Am. Robin, 7; Hermit Thrush, 2; Eastern Bluebird, 13; Golden-crowned Kinglet, 12; Water Pipit, 3 (present at Carbondale Res. since fall); Cedar Waxwing, 30; Loggerhead Shrike, 8; Common Starling, 159; Myrtle Warbler, 1; House Sparrow, 105; Eastern Meadowlark, 79; Red-winged Blackbird, 95; Rusty Blackbird, 70; Purple Grackle, 200 (est.); Brown-headed Cowbird, 1; Cardinal, 77; Purple Finch, 2; Am. Goldfinch, 77; Eastern Towhee, 1; Slate-colored Junco, 125; Am. Tree Sparrow, 139; Field Sparrow, 8; White-crowned Sparrow, 6; White-throated Sparrow, 9; Fox Sparrow, 1; Swamp Sparrow, 13; Song Sparrow, 14. **Total,** 69 species; about 5111 individuals. (R.B. found a Long-eared Owl dead in a pine plantation at the Carbondale Reservoir for the first southern Ill. record of this species.)—Richard Brewer, Thomas Collins, William Hardy.

323. Pere Marquette State Park, Grafton, Ill. (same area as last year).—Dec. 27; 8 a.m. to 5 p.m. Cloudy after 3:30 p.m.; temp. 30° to 50°; wind SW, 10-30 m.p.h.; ground bare, very dry in places usually moist. Twenty observers in 3 parties. Total party-hours, 27 (20 on foot, 7 by car); total party-miles, 177 (20 on foot, 157 by car). Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 6; Canada Goose, 426; Snow Goose, 303; Blue Goose, 900; Mallard, 89,000 (est.); Black Duck, 675; Am. Widgeon, 1; Pintail, 4075; Canvas-back, 8; Lesser Scaup, 15; Am. Golden-eye, 18; Cooper's Hawk, 2; Red-tailed Hawk, 29; Red-shouldered Hawk, 3; Bald Eagle, 15; Marsh Hawk,

22; Sparrow Hawk, 19; Bob-white, 16; Killdeer, 1; Herring Gull, 2; Mourning Dove, 8; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 59; Red-bellied Woodpecker, 43; Red-headed Woodpecker, 44; Hairy Woodpecker, 2; Downy Woodpecker, 32; Horned Lark, 28; Blue Jay, 112; Am. Crow, 722; Black-capped Chickadee, 86; Tufted Titmouse, 29; White-breasted Nuthatch, 14; Brown Creeper, 5; Carolina Wren, 21; Mockingbird, 2; Am. Robin, 14; Eastern Bluebird, 35; Golden-crowned Kinglet, 19; Cedar Waxwing, 2; Loggerhead Shrike, 9; Common Starling, 1200 (est.); House Sparrow, 1045; European Tree Sparrow, 2; Eastern Meadowlark, 77; Red-winged Blackbird, 3010; Purple Grackle, 2660; Brown-headed Cowbird, 1; Cardinal, 266; Pine Siskin, 2; Am. Goldfinch, 54; Slate-colored Junco, 423; Am. Tree Sparrow, 628; Field Sparrow, 18; White-crowned Sparrow, 50; White-throated Sparrow, 19; Swamp Sparrow, 3; Song Sparrow, 57. **Total,** 62 species; 106,346 individuals. Estimated duck figures are in substantial agreement with those of U.S. Fish and Wildlife Service.—Mrs. Beatrice J. Waterbury, Sally Springer, Mrs. Irene Weber, Allen Weber, F. E. Springer, Mrs. Mildred Schaefer, Jack Buese, Mrs. Pat Buese, Mrs. Corida Hanna, O. C. K. Hutchinson, Mrs. Cora Hutchinson, James McBurney, Herbert Ball, Mrs. Glenna Ball, Richard Cunningham, Charles E. Scherrer, Charles F. Scherrer, Lucas Wrischnik, Dieter Rodrian, R. H. Rodrian.

324. Princeton, Ill. (7½-mile radius with Princeton and environs on northern boundary and Hennepin on southeast, including Thomas woods, Bryant Grove, Oakland Cemetery, Big Bureau Creek, and Illinois River bottomlands including highways 26 and 71, and sideroads radiating from same).—Dec. 30; 7:30 a.m. to 4:30 p.m. Cloudy, gradually clearing; temp. 10° to 35°; wind NW, 10 m.p.h.; some snow; fresh water partly frozen, river channel open. Twenty observers in 8 parties plus 3 at feeders. Total party-hours, 88½ (32 on foot, 9 by bobsled, 36½ by car, 11 at feeders [3 observers]); total party-miles, 482 (23 on foot, 9 by bobsled, 450 by car). Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 2; Marsh Hawk, 6; Sparrow Hawk, 2; Bob-white, 5; Ring-necked Pheasant, 1; Mourning Dove, 6; Horned Owl, 1; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 4; Hairy Woodpecker, 14; Downy Woodpecker, 42; Horned Lark, 2; Blue Jay, 29; Am. Crow, 43; Black-capped Chickadee, 99; Tufted Titmouse, 62; White-breasted Nuthatch, 69; Red-breasted Nuthatch, 2; Brown Creeper, 1; Mockingbird, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 3; Common Starling, too many to est.; House Sparrow, too many to est.; Rusty Blackbird, 150; Cardinal, 51; Am. Goldfinch, 7; Slate-colored Junco, 161; Am. Tree Sparrow, 198; Song Sparrow, 26; **Total,** 36 species; about 1041 individuals. (Seen in area Dec. 29: Am. Robin; Jan. 1: Belted Kingfisher, 1; Field Sparrow, 1.)—E. W. Whitten, Mrs. Richard Skinner, Mary Smith, Donnabelle Fry, Mr. and Mrs. Harry Thomas, John Callinan, Alfred Dyke, Mrs. Alfred Dyke (compiler), Grace and Helen Shugart, Georgia Winship, Peggy Paden, Marjorie Powell, Mrs. W. D. Boyle, Mrs. David Stenmark, Mrs. John Seisse, Mr. and Mrs. Ellis Rudiger, Mr. and Mrs. Carl Kramer, Kathy Kasbeer, Douglas Zunkel (Bureau Valley Bird Club).

325. River Forest and Chicago Lake Front (Cook Co.), Ill. (Forest Preserve areas along Des Plaines River between Madison St. and North Ave.; Chicago lake front between Randolph St. and Northerly Island Airport; deciduous woodlands 50%, lake front 35%, open farm fields 10%, shrubby fields 5%).—Dec. 26; 7 a.m. to 4 p.m. Mostly clear; temp. 35° to 37°; wind SW, 5-10 m.p.h.; ground bare; river mostly frozen, lake open. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 17 (7 on foot, 10 by car). Mallard, 6; scaup (sp.), 5; Am. Golden-eye, 261; Old-squaw, 1; Am. Merganser, 2; Red-breasted Merganser, 76; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Ring-necked Pheasant, 3; Herring Gull, 700 (est.); Ring-billed Gull, 700 (est.); Yellow-shafted Flicker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 16; Am. Crow, 7; Black-capped Chickadee, 23; Tufted Titmouse, 6; White-breasted Nuthatch, 6; Brown Creeper, 7; Carolina Wren, 2; Common Starling, 31; House Sparrow, 42; Red-winged Blackbird, 1; Cardinal, 8; Am. Goldfinch, 12; Slate-colored Junco, 53; Am. Tree Sparrow, 37; Song Sparrow, 7. **Total,** 28 species; about 2021 individuals. (Seen in area Dec. 25: Horned Owl, 2.)—A. C. Montague.

326. Southeastern Cook Co., Ill. (parts of Chicago and Hammond, Ind., as previously described, area centered at 122nd St. and Ave. O; deciduous woods and brush 45%, lake shore 25%, dump and slag fill areas 10%, city streets 5%, cattail marsh 10%, open fields 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Cloudy to partly cloudy; temp. 29° to 37°; wind W to NW, 10-20 m.p.h.; 0-1-in. snow; Lake Michigan open, Little Calumet River, Lake Calumet, and Wolf Lake mostly frozen. Four observers in 1 or 2 parties. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 58 (7 on foot, 51 by car). Pied-billed Grebe, 1; Mallard, 43; Black Duck, 22; Lesser Scaup, 1; Am. Golden-eye, 23; Buffle-head, 3; Red-shouldered Hawk, 3; Sparrow Hawk, 1; Bob-white, 7; Ring-necked Pheasant, 5; Am. Coot, 5; **Killdeer,** 1 (M.D., H.D., T.C.); **Glaucous Gull,** 1 (ad.; pale gray mantle and white wing-tips noted; noticeably larger than nearby Herring Gulls—M.D.); Herring Gull, 9098 (9000 est., 98); Ring-billed Gull, 1122 (1000 est., 122); Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 2; Blue Jay, 2; Am. Crow, 26; Black-capped Chickadee, 4; Tufted Titmouse, 8; White-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 1; Common Starling, 673 (650 est., 23); **Myrtle Warbler,** 1 (yellow side and rump patches noted—H.D.); House Sparrow, 190; Red-winged Blackbird, 2; Rusty Blackbird, 1; Cardinal, 39; Purple Finch, 5; Am. Goldfinch, 12; Slate-colored Junco, 89; Am. Tree Sparrow, 38;

Swamp Sparrow, 1; Song Sparrow, 16. **Total,** 37 species; about 11,457 individuals. (Seen in area Dec. 31: Bonaparte's Gull, Old-squaw, Am. Merganser, Red-breasted Merganser; Jan. 2: Am. Scoter, Greater Scaup.)—Ted Chandik, Doris Davis, Hubert Davis, Marvin Davis (compiler).

327. Springfield, Ill. (7½-mile radius centering on 5th and Washington Sts., and including Lake Springfield, Clear Lake, Oak Ridge Cemetery, Carpenter's Park, Winch's Lane, Chatham Road; water 5%, riverbottom 20%, pasture 30%, plowland 30%, town suburbs 15%).—Dec. 27; 7 a.m. to 4:30 p.m. Clear; temp. 25° to 35°; wind S, 5-15 m.p.h.; ground approximately half covered with 1-5-in. snow; fresh water frozen except for parts of Lake Springfield. Twenty observers in 8 parties. Total party-hours, 46 (36 on foot, 10 by car); total party-miles, 247 (46 on foot, 201 by car). Canada Goose, 3; Mallard, 5000 (est.); Black Duck, 2500 (est.); Gadwall, 1; Pintail, 1; Redhead, 20; Canvas-back, 17; Lesser Scaup, 45; Am. Golden-eye, 2; Buffle-head, 1; Am. Merganser, 7; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 6; Bob-white, 9; Am. Coot, 8; Herring Gull, 1; Ring-billed Gull, 90; Mourning Dove, 33; Barred Owl, 4; Yellow-shafted Flicker, 62; Red-bellied Woodpecker, 66; Red-headed Woodpecker, 6; Hairy Woodpecker, 11; Downy Woodpecker, 90; Horned Lark, 454; Blue Jay, 118; Am. Crow, 495; Black-capped Chickadee, 108; Tufted Titmouse, 113; White-breasted Nuthatch, 33; Brown Creeper, 18; Carolina Wren, 55; Mockingbird, 2; Am. Robin, 2; Eastern Bluebird, 4; Golden-crowned Kinglet, 13; Common Starling, 3585 (est.); Myrtle Warbler, 12; House Sparrow, 902; Eastern Meadowlark, 1; Red-winged Blackbird, 27; Brown-headed Cowbird, 50; Cardinal, 196; Purple Finch, 14; Am. Goldfinch, 83; Eastern Towhee, 3; Slate-colored Junco, 335; Am. Tree Sparrow, 311; White-throated Sparrow, 25; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 77; Lapland Longspur, 90. **Total,** 57 species; about 15,128 individuals.—N. E. Nilsson, Milton Thompson, Dr. Richard Allyn, Mrs. Richard Allyn, Lois Hopwood, Lena Hardbarger, Lois Hogan, Opel Rippey, Carl Bretscher, Mrs. Carl Bretscher, W. A. Sausaman, Russel Carter, H. E. McConnel, Al Kaszynski, M. D. Cook (compiler), Wayne Bailey, W. V. O'Brien, Emma Leonard, William Bridges, William Robertson (Springfield Nature League).

328. Urbana-Champaign, Ill. (Sangamon River near White Heath and Mahomet, Lake-of-the-Woods, University Woods, University Airport, South Farms, city dump, and intervening farmlands; woods 45%, forest-edge 30%, open country 25%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Mostly clear, sunny; temp. 35° to 53°; wind SSW, strong; ground bare; lake frozen. Thirteen observers in 4 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 134 (24 on foot, 110 by car). Mallard, 8; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 5; Bob-white, 16; Ring-necked Pheasant, 4; Mourning Dove, 103; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 22; Hairy Woodpecker, 14; Downy Woodpecker, 57; Horned Lark, 71; Blue Jay, 71; Am. Crow, 160; Black-capped Chickadee, 30; Carolina Chickadee, 4 (T.N.M.); Tufted Titmouse, 60; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 4; Brown Creeper, 23; Carolina Wren, 17; Golden-crowned Kinglet, 4; Common Starling, 1100±; House Sparrow, 1500±; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 76; Purple Finch, 29; Am. Goldfinch, 112; Slate-colored Junco, 170; Am. Tree Sparrow, 162; Field Sparrow, 5; White-throated Sparrow, 1; Song Sparrow, 32; Lapland Longspur, 7. **Total,** 42 species; about 3953 individuals.—Steven Emerson, John E. Gieseking, S. C. Kendeigh (compiler), Jacquelin Luce, W. M. Luce, Norman Martin, Thomas N. Morgan, Nita Neal, C. S. Robinson, Frederick Sargent II, L. L. Steimley, Mr. and Mrs. George C. West.

329. Zion, Ill. (along shore of Lake Michigan for about 9 miles between north side of Kenosha, Wis. [Simmons Park], and south side of Zion, Ill. [Ill. Beach State Park], and extending inland 3 miles; country roadsides and fields 40%, evergreen groves 25%, deciduous woods 20%, beach and piers 5%, residential areas 5%, city parks 5%).—Jan. 2; 6:30 a.m. to 5:30 p.m. Partly cloudy; temp. 34° to 40°; wind SW, 15 m.p.h.; ground bare, muddy, and soft; all fresh water frozen except Lake Michigan. Nine observers in 3 parties. Total party-hours, 33 (18 on foot, 15 by car); total party-miles, 64 (22 on foot, 42 by car). Goose (sp.), 1; Greater Scaup, 1; Am. Golden-eye, 4; Old-squaw, 220; Am. Merganser, 2000 (±100); Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 5; Ring-necked Pheasant, 7; Herring Gull, 2000 (±200); Ring-billed Gull, 2; Bonaparte's Gull, 200 (±50); Mourning Dove, 40; Horned Owl, 2; Long-eared Owl, 6; Short-eared Owl, 2; Hairy Woodpecker, 1; Downy Wodpecker, 1; Blue Jay, 12; Am. Crow, 15; Common Starling, 120; House Sparrow, 45; Cardinal, 2; Common Redpoll, 7; Am. Goldfinch, 19; Eastern Towhee, 2; Slate-colored Junco, 31; Am. Tree Sparrow, 105. **Total,** 29 species; about 4503 individuals. (Seen in area Jan. 1: Cedar Waxwing, 20.) —Bill Barclay, John Barclay, LeRoy Golwitzer, Jack Bicket, Ted Dreyer (compiler), Roger Hotham, Brian Carey, Carolyn Hanson, Jeanette Mudgett (Northern Illinois Natural History Society).

330. Adams, Wis. (east bank of Wisconsin River from Point Bluff north past Castle Rock dam to Dellwood, thence east along Little Roche A Cri Creek to Adams and Friendship; deciduous bottomlands 40%, river banks 35%, open fields 20%, towns 5%).—Dec. 28; 6:15 a.m. to 4:15 p.m. Partly cloudy; temp. 21° to 31°; wind SW, 3-10 m.p.h.; ground bare; creeks open, Wisconsin River open below dam, frozen above dam. One observer. Total hours, 10 (3 on foot, 7 by car); total miles,

100 (2 on foot, 98 by car). Mallard, 1; Am. Golden-eye, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Bald Eagle, 2; Ruffed Grouse, 1; Horned Owl, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 35; Am. Crow, 98; Black-capped Chickadee, 47; White-breasted Nuthatch, 18; Carolina Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 32; **Bohemian Waxwing,** 2 (high in a tree, identified by distinctive call note; 2 birds seen a week later at very close range near same place); Cedar Waxwing, 12; Gray Shrike, 1; Common Starling, 125; House Sparrow, 145; Cardinal, 6; Evening Grosbeak, 44; Am. Goldfinch, 680; Slate-colored Junco, 64; Am. Tree Sparrow, 103; Snow Bunting, 2. **Total,** 29 species; 1439 individuals.—S. D. Robbins.

331. **Appleton, Wis.** (7-mile radius centering in Appleton, east to Kaukauna, west and south to lake front and Neenah, northwest to Center Swamp; city parks and streets 5%, riverbank 25%, cemetery 10%, open fields 20%, lake front 20%, swamp 20%).—Dec. 28; 7:30 a.m. to 5 p.m. Sun except 9:30 to 10:30 a.m.; temp. 24° to 32°; wind SW, 7 m.p.h.; river only partially frozen, lake frozen except at river entrance; trace of snow on ground. Nine observers in 3 parties. Total party-hours, 17½ (9½ on foot, 8 by car); total party-miles, 85 (15 on foot, 70 by car). Mallard, 2; Black Duck, 168; Am. Golden-eye, 598; Am. Merganser, 17; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Herring Gull, 21; Hairy Woodpecker, 5; Downy Woodpecker, 13; Blue Jay, 2; Am. Crow, 5; Black-capped Chickadee, 61; White-breasted Nuthatch, 20; Brown Creeper, 7; Am. Robin, 2; Golden-crowned Kinglet, 17; Gray Shrike, 1; Common Starling, 35; House Sparrow, 598; Cardinal, 10; Purple Finch, 2; Pine Grosbeak, 1; Slate-colored Junco, 50; Am. Tree Sparrow, 5. **Total,** 24 species; 1643 individuals. (Seen in area daily except on Count day: Yellow-shafted Flicker, 2 [Mrs. W.C.R.]; Dec. 2: Mourning Dove, 1 [Mrs. D.V.I.])—Cora E. Harvey, Mrs. W. C. Rehbein, Mrs. Dale Vawter, Mrs. L. F. Cooper, Mrs. H. L. Playman, Mrs. Carroll McEathron, George Rehbein, Jim McEathron, Mrs. Walter E Rogers (compiler).

332. **Arkdale, Wis.** (east bank of Wisconsin River from Dellwood north to Petenwell dam and Strongs Prairie, thence east along Big Roche A Cri Creek to Arkdale; creek-bottom woodlands 40%, deciduous farm woodlots 20%, open fields 20%, swamp meadows 10%, river banks 10%).—Jan. 1; 6:30 a.m. to 4:30 p.m. Clear, cloudy in p.m.; temp. 31° to 38°; wind W, 5-10 m.p.h.; trace of snow on ground; Wisconsin River open for ½ mile below dam, frozen elsewhere; creeks mostly open. Two observers in 1 party. Total hours, 10 (6 on foot, 4 by car); total miles, 75 (7 on foot, 68 by car). Great Blue Heron, 1; Mallard, 150; Black Duck, 100; Am. Golden-eye, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Bald Eagle, 16; Ruffed Grouse, 1; Bob-white, 8; Am. Coot, 1; Horned Owl, 3; Snowy Owl, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 22; Am. Crow, 145; Black-capped Chickadee, 35; White-breasted Nuthatch, 9; Brown Creeper, 3; Golden-crowned Kinglet, 23; Gray Shrike, 1; Common Starling, 60; House Sparrow, 130; Rusty Blackbird, 4; Cardinal, 1; Evening Grosbeak, 56; Purple Finch, 2; Am. Goldfinch, 140; Slate-colored Junco, 3; Am. Tree Sparrow, 75; Swamp Sparrow, 1; Snow Bunting, 14. **Total,** 35 species; 1025 individuals.—N. R. Barger, S. D. Robbins.

333. **Beloit, Wis.** (7½-mile radius centering in city of Beloit, and including Big Hills Park, Chamberlin Springs, Hononegah Park; city streets and cemeteries 10%, fields 10%, riverbottoms 30%, hardwoods 40%, conifer plantings 10%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 29° to 40°; wind SE, 10-15 m.p.h.; snow cover only in protected areas; running water of river and streams open, still water frozen. Thirteen observers in 5 parties. Total party-hours, 33 (25 on foot, 8 by car); total party-miles, 163 (34 on foot, 129 by car). Great Blue Heron, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; European Partridge, 1; Ring-necked Pheasant, 13; Herring Gull, 7; Mourning Dove, 1; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 18; Blue Jay, 62; Am. Crow, 98; Black-capped Chickadee, 108; Tufted Titmouse, 20; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 1; Brown Creeper, 10; Winter Wren, 1; Golden-crowned Kinglet, 5; Common Starling, 254; House Sparrow, 417; Cardinal, 39; Purple Finch, 2; Am. Goldfinch, 212; Savannah Sparrow, 1; Slate-colored Junco, 190; Am. Tree Sparrow, 214; Field Sparrow, 1; Song Sparrow, 2. **Total,** 38 species; 1737 individuals.—B. Andrews, C. Chamberlin, R. Cole, Mr. and Mrs. D. Cox, F. Glenn, E. A. Hepler, Mrs. O. Kidd, Mr. and Mrs. H. G. Liebherr (compiler), Mrs. F. Metzger, Mr. and Mrs. H. R. Williams (Ned Hollister Bird Club).

334. **Green Bay, Wis.** (same area as last year).—Dec. 27; 7 a.m. to 3:30 p.m. Overcast with snow flurries; temp. 26° to 35°; wind SW, 10-20 m.p.h.; ground covered with ¼-in. fresh snow. Sixteen observers in 5 parties. Total party-hours, 23¾ (15¼ on foot, 8½ by car); total party-miles, 179 (22 on foot, 157 by car). Canada Goose, 1; Mallard, 18; Black Duck, 7; Green-winged Teal, 1; Canvas-back, 2; Lesser Scaup, 11; Am. Golden-eye, 11; Am. Merganser, 2; Goshawk, 1 (Mrs. A.W., P.R.); Broad-winged Hawk, 1 (chunky crow size noted as well as peculiar habit of flapping its wings and when flying always trying to work upward—Mrs. A.W., P.R.); Pigeon Hawk, 1 (Blue Jay size, pointed wings and gray tail noted—Mrs. A.W., P.R.); Sparrow Hawk, 2; Ring-necked Pheasant, 10; Am. Coot, 3; Herring Gull, 36; Mourning Dove, 1; Screech Owl, 1; Barred Owl, 1; Hairy Woodpecker, 8; Downy Wood-

pecker, 26; Blue Jay, 74; Common Raven, 1 (much larger than Am. Crow, soared and flapped in flight, nasal croaking call heard—Mr. and Mrs. R.H.); Am. Crow, 10; Black-capped Chickadee, 50; White-breasted Nuthatch, 41; Red-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 25; Gray Shrike, 1; Common Starling, 281; House Sparrow, 1410; Red-winged Blackbird, 5; Cardinal, 15; Purple Finch, 2; Common Redpoll, 20; Pine Siskin, 60; Am. Goldfinch, 7; Slate-colored Junco, 186; Am. Tree Sparrow, 154; Swamp Sparrow, 3; Song Sparrow, 2; Lapland Longspur, 127; Snow Bunting, 395. **Total,** 44 species; 3019 individuals. (Seen in area Dec. 26: Red-bellied Woodpecker, 1.)—Edwin D. Cleary (compiler), Ed. Paulson, Jim Quinn, R. Bethe, Ray Hussong, Mrs. Ray Hussong, Myron Duquaine, Mrs. Myron Duquaine, Mildred Van Vonderen, Alfred Holz, Mrs. Alfred Holz, Mrs. Andrew Weber, Paul Romie, Mrs. Paul Romie, Chester Krawczyk, Vernon Krawczyk (Green Bay Bird Club).

335. **Lake Geneva, Wis.** (area same as in previous years).—Dec. 26; 7 a.m. to 4 p.m. Usually overcast, clear at noon; temp. 20° to 38°; wind W, 0-15 m.p.h.; about 1-in. snow; entire lake open. Eleven observers in 3 parties. Total party-hours, 27 (21 on foot, 6 by car); total party-miles, 76 (16 on foot, 60 by car). Common Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 4; Great Blue Heron, 1; Canada Goose, 60; Mallard, 40; Redhead, 11; Canvas-back, 1; Lesser Scaup, 60; Am. Golden-eye, 200; Buffle-head, 15; Ruddy Duck, 8; Hooded Merganser, 2; Am. Merganser, 4; Red-breasted Merganser, 25; Red-tailed Hawk, 4; Rough-legged Hawk, 4; Marsh Hawk, 1; Peregrine Falcon, 1; European Partridge, 8; Ring-necked Pheasant, 6; Am. Coot, 400; Wilson's Snipe, 1; Herring Gull, 80; Ring-billed Gull, 1; Short-eared Owl, 13; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 25; Am. Crow, 300; Black-capped Chickadee, 33; White-breasted Nuthatch, 8; Brown Creeper, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 20; Gray Shrike, 3; Common Starling, 200; House Sparrow, 300; Rusty Blackbird, 1; Cardinal, 7; Purple Finch, 6; Am. Goldfinch, 30; Slate-colored Junco, 50; Am. Tree Sparrow, 30; Swamp Sparrow, 2; Song Sparrow, 3. **Total,** 48 species; about 1990 individuals.—Earl Anderson, Karl Bartel, Jack Bicket, Ted Dreyer, Harold Fedder, Dick Guschausky, Joe Young, Bob Palmquist, Ronnie Palmquist, C. O. Palmquist (compiler), Ken Mertz.

336. **Madison, Wis.** (same area as last year).—Jan. 2; 6:45 a.m. to 4:30 p.m. Clear; temp. 32° to 40°; wind WNW, 15 m.p.h.; lakes frozen. Twenty-seven observers in 10 parties. Total party-hours, 65 (31 on foot, 34 by car); total party-miles, 355 (27 on foot, 328 by car). Mallard, 2550; Black Duck, 2368; Am. Widgeon, 1; Pintail, 4; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 27; Lesser Scaup, 61; Am. Golden-eye, 27; Am. Merganser, 2; unidentified ducks, 800; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 6; Rough-legged Hawk, 6; Marsh Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 71; Am. Coot, 10; Wilson's Snipe, 1; Herring Gull, 8; Ring-billed Gull, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 43; Horned Lark, 4; Blue Jay, 133; Am. Crow, 706; Black-capped Chickadee, 175; Tufted Titmouse, 5; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 2; Brown Creeper, 38; Winter Wren, 1; Am. Robin, 64; Golden-crowned Kinglet, 51; Cedar Waxwing, 17; Gray Shrike, 1; Common Starling, 280; House Sparrow, 1040; **Western Meadowlark,** 8 (A.W.S.); Red-winged Blackbird, 2; Cardinal, 57; Purple Finch, 50; Common Redpoll, 33; Am. Goldfinch, 140; Eastern Towhee, 1; Slate-colored Junco, 496; Am. Tree Sparrow, 365; White-crowned Sparrow, 2; White-throated Sparrow, 4; Swamp Sparrow, 5; Song Sparrow, 7. **Total,** 56 species; 9755 individuals. (Seen in area previous to count: Bald Eagle, 1; Screech Owl, 1; Red-headed Woodpecker, 1; seen in area Jan. 3: Mourning Dove, 17; Snowy Owl, 3; Field Sparrow, 1.)—Mr. and Mrs. N. R. Barger, Norval Barger, Jr., Mrs. B. T. Brooks, Mr. and Mrs. Wayne Brown, Mrs. M. C. Dutton, Alice Fosse, Mr. and Mrs. J. J. Hickey, Mrs. R. H. Lound, Mr. and Mrs. James Neis, Helen Northup, Andrew Ragatz, A. W. Schorger, Dr. J. G. Waddell, Mary and John Waddell, Mrs. R. A. Walker (compiler), Mrs. James and Lynne Watrous, Ray White, Mr. and Mrs. H. M. Williams, Richard and Thomas Wills (Madison Audubon Society).

337. **Milwaukee, Wis.** (area same as in previous counts).—Dec. 27; 7:30 a.m. to 5 p.m. Cloudy; temp. 26° to 37°; wind S, 7-15 m.p.h.; ground frozen, traces of old snow; Lake Michigan and parts of Milwaukee River open; Juneau Park Lagoon kept open all winter by aerating system. Thirty-one observers in 7 parties. Total party-hours, 52 (23 on foot, 29 by car); total party-miles, 243 (29 on foot, 214 by car). Red-throated Loon, 18; Mallard, 1127; Black Duck, 130; Gadwall, 3; Pintail, 3; Shoveller, 10; Wood Duck, 1; Redhead, 8; Canvas-back, 135; Greater Scaup, 4003; Lesser Scaup, 41; Am. Golden-eye, 3015; Buffle-head, 101; Old-squaw, 501; White-winged Scoter, 2; Ruddy Duck, 17; Hooded Merganser, 3; Am. Merganser, 1511; Red-breasted Merganser, 609; Cooper's Hawk, 3; Red-tailed Hawk, 10; Harlan's Hawk, 1 (present since Nov.; dark blackish bird with a shorter tail than Rough-leg; tail mottled and dark at tip—M.D., *et al.*); Red-shouldered Hawk, 4; Rough-legged Hawk, 5; Sparrow Hawk, 8; Ruffed Grouse, 4; European Partridge, 54; Ring-necked Pheasant, 47; Am. Coot, 1; Wilson's Snipe, 2; Herring Gull, 5112; Ring-billed Gull, 110; Bonaparte's Gull, 181; Mourning Dove, 6; Screech Owl, 1; Snowy Owl, 1; Long-eared Owl, 9; Short-eared Owl, 6; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 41; Blue Jay, 26; Am. Crow, 7213; Black-capped

Chickadee, 119; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 2; Brown Creeper, 3; Am. Robin, 44; Golden-crowned Kinglet, 13; Cedar Waxwing, 4; Gray Shrike, 4; Common Starling, 1249; House Sparrow, 1127; Eastern Meadowlark, 117; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 29; Purple Finch, 27; Common Redpoll, 2; Pine Siskin, 25; Am. Goldfinch, 72; Slate-colored Junco, 686; Am. Tree Sparrow, 199; Field Sparrow, 1; White-crowned Sparrow, 1; White-throated Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 7. **Total,** 70 species; about 27,860 individuals. (Seen in area during count period: Bald Eagle, Horned Lark, Bob-white, Sharp-shinned Hawk.) Gadwall, Shovellers, and Wood Duck seen at Juneau Park Lagoon and Lakeside power plant.—Mrs. A. P. Balsom, Virginia Becker, Mr. and Mrs. A. Bromm, Mrs. C. R. Decker, Jr., C. R. Decker, 3rd, Mary Donald (compiler), Tom Ellenberger, Mr. and Mrs. C. Frister, Dick Gordon, Carl Hayssen, Anna Hehn, R. Jankowski, Mr. and Mrs. B. Kaiman, A. Krueger, K. Lange, Dixie Larkin, N. O'Hearn, G. Orians, Mr. and Mrs. M. Paulsen, Mr. and Mrs. E. Peartree, Karl Priebe, Harold Scott, A. Schaffer, Mrs. F. W. Seeger, Mr. and Mrs. Bernard Weideman (John Muir Club, City Club Bird Group, Milwaukee Audubon Society).

338. Monroe, Wis. (bottomlands along Sugar and Pecatonica rivers, select fields and woods, springs and feeding stations near Monroe; river-bottoms 40%, fields 30%, springs 15%, upland hardwoods 10%, feeding stations 5%).—Dec. 31; 7:15 a.m. to 5 p.m. Cloudy in a.m., clearing in p.m.; temp. 21° to 33°; wind S, 18 m.p.h.; ground mostly bare in exposed places, 2-in. crusted snow in sheltered areas. Twelve observers in 2 parties. Total party-hours, 16 (9 on foot, 7 by car); total party-miles, 126 (16 on foot, 110 by car). Red-tailed Hawk, 23; Red-shouldered Hawk, 1; Rough-legged Hawk, 10; Sparrow Hawk, 1; Ring-necked Pheasant, 47; Wilson's Snipe, 1; Mourning Dove, 2; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 22; Horned Lark, 1; Blue Jay, 33; Am. Crow, 431; Black-capped Chickadee, 39; Tufted Titmouse, 22; White-breasted Nuthatch, 25; Brown Creeper, 1; Winter Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 10; Gray Shrike, 3; Common Starling, 750; House Sparrow, 5540; Western Meadowlark, 9 (species heard singing in same area on numerous occasions during winter—G.O.); Cardinal, 9; Purple Finch, 2; Pine Siskin, 2; Am. Goldfinch, 3; Slate-colored Junco, 151; Am. Tree Sparrow, 291; Field Sparrow, 1; **Harris's Sparrow,** 1 (imm., present all winter at feeder in Monticello; seen and photographed by many observers—G.O.); Swamp Sparrow, 9; Song Sparrow, 9; Lapland Longspur, 19. **Total,** 41 species; 7496 individuals. (Seen during week: Pintail, Bob-white, Am. Coot, Bluebird, Purple Grackle, White-throated Sparrow.) —Dr. and Mrs. George R. Barry, Charlotte Churchill, E. O. Evans, Eugene Harms, Ronald Johnson, Gordon Orians, Mr. and Mrs. H. L. Orians, Helen Smith, Dr. and Mrs. James R. Weir.

339. Racine, Wis. (7½-mile radius centering at North Shore Station, including Lake Michigan shore, Root River dam; city streets 38%, lake shore 17%, park and cemetery 17%, fields 17%, hardwoods 11%).—Dec. 28; 7:15 a.m. to 4:30 p.m. Cloudy to clear; temp. 28° to 34°; wind W to SW, 0-3 m.p.h.; ground bare except in protected spots; water open, except above the dam. One observer. Total hours, 9¼ (8¼ on foot, 1 by car); total miles, 18 (12 on foot, 6 by car). Mallard, 12; Black Duck, 5; Lesser Scaup, 8; Am. Golden-eye, 62; Old-squaw, 38; Red-breasted Merganser, 2 (♂ and ♀, ♂ identified by crest and red breast); Ring-necked Pheasant, 2; Am. Coot, 12; Killdeer, 2; Herring Gull, 962; Ring-billed Gull, 2; Bonaparte's Gull, 1; Belted Kingfisher, 1; Blue Jay, 3; White-breasted Nuthatch, 1; Golden-crowned Kinglet, 2; Common Starling, 226; House Sparrow, 150; Cardinal, 1; Slate-colored Junco, 18; Oregon (?) Junco, 1 (seen clearly and looked like plate in Peterson's Eastern *Field Guide*); Am. Tree Sparrow, 8. **Total,** 22 species; 1519 individuals. (Seen in vicinity Dec. 26: Mourning Dove, 23; Am. Bittern, 1; Vesper Sparrow, 1[striped breast, striped crown, chestnut shoulder patch, no breast spot]; Black-capped Chickadee, 10; Hairy Woodpecker, 2; Downy Woodpecker, 1; Purple Finch, 1; Snow Bunting, 8.)—Mary-Elizabeth Whelan.

340. Seneca, Wis. (same as last year).—Jan. 1; 7:30 a.m. to 4:30 p.m. Clear; temp. 26° to 36°; wind NW, 0-5 m.p.h.; ground bare; river and streams partly frozen. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 42 (8 on foot, 34 by car). Bald Eagle, 2; Short-eared Owl, 1; Pileated Woodpecker, 4; Red-bellied Woodpecker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 3; Blue Jay, 4; Am. Crow, 6; Black-capped Chickadee, 9; Tufted Titmouse, 1; White-breasted Nuthatch, 5; Common Starling, 16; House Sparrow, 64; Cardinal, 9; Purple Finch, 14; Am. Goldfinch, 35; Slate-colored Junco, 2; Am. Tree Sparrow, 222. **Total,** 18 species; 406 individuals.—Clarence Paulson.

341. Waukesha, Wis. (15-mile diameter; same as 1949 and subsequent years; 3 wooded areas in city, southwest to Kettle Moraine State Forest, along Fox River valley to Mukwonago Marsh, to Saylesville, south to Mukwonago and Big Bend, north to Pewaukee Lake; open farmlands 32%, deciduous farm woodlots 40%, tamarack swamp 6½%, grassy marsh 21%, town suburbs ½%).—Dec. 26; 7 a.m. to 5 p.m. Cloudy; temp. 32° to 34°; wind NW, 22 m.p.h.; no snow on ground; springs open, river partially open. Nineteen observers in 8 parties, 2 at feeding stations. Total party-hours, 54½ (26½ on foot, 28 by car); total party-miles, 321 (35½ on foot, 285½ by car). Mallard, 10; Black Duck, 16; Am. Golden-eye, 9; Red-tailed Hawk, 24; Rough-legged Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 6; Herring Gull, 38; Ring-billed Gull, 1; Mourning Dove, 29; Screech Owl,

2; Horned Owl, 2; Short-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 8; Hairy Woodpecker, 14; Downy Woodpecker, 46; Blue Jay, 72; Am. Crow, 1920; Black-capped Chickadee, 116; Tufted Titmouse, 1; White-breasted Nuthatch, 45; Brown Creeper, 6; Am. Robin, 1; Golden-crowned Kinglet, 15; Cedar Waxwing, 9; Gray Shrike, 3; Common Starling, 587; House Sparrow, 1523; Rusty Blackbird, 1; Cardinal, 8; Purple Finch, 36; Am. Goldfinch, 47; Slate-colored Junco, 397; Am. Tree Sparrow, 1363; Field Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 13. **Total,** 41 species; 6395 individuals.—S. Paul Jones, Peter Weber, Charles Sontag, Fred Alyea, Paul G. Hoffman, Emma Hoffman, T. G. Wilder, Iona Wilder, Robert Adams (compiler), Vince Batha, Tom Soulen, Mary Sydow, Helen Kramer, Olive Compton, Les Compton, Mary Nelson, Charles E. Nelson, Carl Fies, Ernest H. Zimmerman (Benjamin F. Goss Bird Club).

342. **Waupun, Wis.** (30-mile periphery around and including portions of Horicon National Wildlife Refuge; willow and cattail marsh 50%, deciduous woodlots 20%, fencerows and ditchbanks 20%, farm pastures, plowed land and stubble fields 10%).—Dec. 25; 7:30 a.m. to 4:30 p.m. Temp. 20° to 40°; wind SE, 3-5 m.p.h. Two observers in 2 parties. Total party-hours, 12 (6 on foot, 6 by car); total party-miles, 38 (8 on foot, 30 by car). Great Blue Heron, 1; Canada Goose, 32; Mallard, 15; Black Duck, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 4; Marsh Hawk, 2; Ring-necked Pheasant, 41; Am. Coot, 12; Horned Owl, 2; Downy Woodpecker, 1; Am. Crow, 3; Black-capped Chickadee, 32; White-breasted Nuthatch, 2; Loggerhead Shrike, 1; Common Starling, 8; House Sparrow, 60; Slate-colored Junco, 10; Am. Tree Sparrow, 200. **Total,** 19 species; 431 individuals.—Charles A. Hughlett, Lloyd F. Gunther (compiler).

343. **Wyalusing, Wis.** (2 x ½-mile area centering on Spring Lakes, Glen Lake and Wyalusing Bay [all backwaters of Mississippi River], and a portion of the Upper Mississippi Refuge immediately west and adjacent to Wyalusing State Park; ice-covered sloughs, ponds, and lakes 50%, cut-over bottomland hardwoods with good cover of herbaceous plants 25%, dead trees, stubs and stumps with undercover of willow and red osier 25%).—Dec. 30; 8 a.m. to 4 p.m. Clear to cloudy; temp. 10° to 15°; wind S to W, 10-15 m.p.h.; no snow on ground; all water areas frozen except springs and narrows with extremely fast current. Six observers in 2 parties. Total party-hours, 33 (33 on foot); total party-miles, 24 (24 on foot). Bald Eagle, 1; Red-bellied Woodpecker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 16; Am. Crow, 18; Black-capped Chickadee, 23; White-breasted Nuthatch, 22; Brown Creeper, 1; Winter Wren, 1; House Sparrow, 4; Cardinal, 1; Am. Goldfinch, 8; Slate-colored Junco, 24; Am. Tree Sparrow, 37. **Total,** 14 species; 165 individuals. —H. H. Burgess (compiler), James Dyrud, Jack Mercer, Charles Smith, Wayne Standorf, Allen Zable (adviser and explorers of Boy Scout Troop 69, Prairie du Chien, Wis.).

344. **Albert Lea, Minn.** (7-mile radius from center of town, including west and south edges of Albert Lea Lake, Big Island State Park, and roads 7 miles to the west; pasture 60%, plowland 20%, wooded lake shore 20%).—Jan. 3; 7:45 a.m. to 4:30 p.m. Overcast to clear; temp. 18° to 24°; wind S, 5-10 m.p.h.; woodlands with 1-2-in. snow, open land mostly bare; water in channel at north end of lake kept open by hot water emptied by packing plant. One observer. Total hours, 7¾ (2¾ on foot, 5 by car); total miles, 40 (4 on foot, 36 by car). Great Blue Heron, 1; Mallard, 2500; Black Duck, 400; Pintail, 6; Green-winged Teal, 5; Shoveller, 1 (♂ observed at 50 ft.); Lesser Scaup, 1; Ruddy Duck, 1 (♂; white cheek patch, tail, general shape and behavior noted); Red-tailed Hawk, 3; Rough-legged Hawk, 3; Bald Eagle, 1; Ring-necked Pheasant, 20; Am. Coot, 1; Horned Owl, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 16; Blue Jay, 12; Am. Crow, 20; Black-capped Chickadee, 70; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 1; Brown Creeper, 6; Golden-crowned Kinglet, 2; Common Starling, 600; House Sparrow, 50; Slate-colored Junco, 10; Am. Tree Sparrow, 100; Song Sparrow, 1. **Total,** 29 species; about 3865 individuals. (One ♂ Mallard-Black hybrid; 1 ♀ Mallard with white wing-tips; 2 closely-packed rafts each of about 30 Mallards swimming around channel diving completely under water for 5-6 seconds at a time. Although all individuals didn't go down at the same time, they used their wings for diving, just like the Old-squaw [no food noticed].)—G. K. Palmer.

345. **Benson, Minn.** (7½-mile radius centering at Benson High School, including Lakes Hazel, Moore, and John, and towns of Clontarf, Danvers, and DeGraff; farm woodlots 10%, wooded river-bottoms and lake shores 20%, cattail and bulrush marshes 10%, towns 10%, picked cornfields 25%, other farmland 25%).—Dec. 30; 8 a.m. to 5 p.m. Partly cloudy to cloudy; temp. −5° to +5°; wind NW to W, 12-18 m.p.h.; 8-10-in. crusted snow; lakes and river frozen. Nine observers in 3 parties. Total party-hours, 20½ (8¾ on foot, 11¾ by car); total party-miles, 186 (20 on foot, 166 by car). Marsh Hawk, 1; European Partridge, 24; Ring-necked Pheasant, 139; Mourning Dove, 4; Horned Owl, 1; Snowy Owl, 2; Long-eared Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 4; Horned Lark, 1; Blue Jay, 2; Am. Crow, 13; Black-capped Chickadee, 37; White-breasted Nuthatch, 10; Brown Creeper, 18; Common Starling, 28; House Sparrow, 135; Western Meadowlark, 1 (identified by size and general lighter color markings than the Eastern—J.J.); Red-winged Blackbird, 25; Slate-colored Junco, 72; Am. Tree Sparrow, 11; Snow Bunting, 26. **Total,** 23 species; 560 individuals. (Seen in area Dec. 27: Prairie Chicken, 1; Golden-crowned Kinglet, 3.)—Earl Orr (compiler), John Peterson, Justin Jeffrey, Ray Payne, Tom Peter-

son, Dan Meyer, Norman Bosch, Dick Goff, Milfred Christenson.

346. Cedar Creek Forest (Anoka Co.), Minn. (7-mile radius centering from Corniea Cabin, Cedar Creek Forest; deciduous and pine forest 75%, bog and marshland 25%).—Dec. 27; 9 a.m. to 4 p.m. Partly cloudy; temp. 36° at noon; wind SE, 8-12 m.p.h.; ground covered with 2-in. snow. Sixteen observers in 2 parties. Total party-hours, 11 (10 on foot, 1 by car); [total party-miles not stated—ED.]. Red-tailed Hawk, 1; Rough-legged Hawk, 1; eagle (sp.), 1; Marsh Hawk, 1; Ruffed Grouse, 24; Pileated Woodpecker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 11; Am. Crow, 4; Black-capped Chickadee, 37; White-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 1; Gray Shrike, 2; Common Starling, 2; House Sparrow, 2; Common Redpoll, 50; Pine Siskin, 6; Am. Goldfinch, 12; Slate-colored Junco, 6; Am. Tree Sparrow, 22; Lapland Longspur, 250. **Total,** 24 species; 443 individuals. —W. J. Breckenridge, Harvey Gunderson, Byron Harrell, Walter Jaroscek, Mary Lupient (compiler), Colleen Helgeson, Amy Chambers, Ray Anderson, J. G. Erickson, L. L. Barrett, Theodora Melone, Sarah Davidson, Margaret Burr, Caroline Davidson, A. C. Wangaard, Mrs. A. D. Cornier (Minnesota Bird Club).

347. Duluth, Minn. (Fond du Lac to Encampment Forest along St. Louis River and Lake Superior including Minnesota Point; town suburbs 20%, deciduous city parks and highways 70%, sand dunes 10%).—Jan. 3; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 0° to 17°; wind NE, 5 m.p.h.; ground covered with 8-12-in. snow; all fresh water frozen except Lake Superior. Twenty-seven observers in 11 parties. Total party-hours, 48 (26 on foot, 22 by car); total party-miles, 254 (29 on foot, 225 by car). Mallard, 10; Black Duck, 1; Am. Golden-eye, 199; Am. Merganser, 7; Ruffed Grouse, 1; Ring-necked Pheasant, 2; Glaucous Gull, 4; Herring Gull, 631; Horned Owl, 3; Snowy Owl, 1; Hairy Woodpecker, 5; Downy Woodpecker, 53; Gray Jay, 1; Blue Jay, 20; Common Raven, 7; Black-capped Chickadee, 69; Red-breasted Nuthatch, 1; Brown Creeper, 1; **Varied Thrush,** 1 (present at feeding station in Encampment Forest from Dec. 8 to Jan. 24; ♂ with black breast band—O.L., P.B.H., H.F., Mrs. H.P., M.I.E., M.V.F.); Gray Shrike, 1; Common Starling, 159; House Sparrow, 1052; Evening Grosbeak, 267; Pine Grosbeak, 48; Common Redpoll, 33; Pine Siskin, 58; Snow Bunting, 40. **Total,** 27 species; 2675 individuals.—Hulda Adams, Joe A. Antonio, Mr. and Mrs. J. K. Bronoel (compiler), Margaret Brown, Robert Cohen, Raymond F. Dasmann, Mary I. Elwell, Mrs. Hazel Fields, Mary V. Fulton, O. A. Finseth, Henry Gilbert, Richard Green, Lloyd Hackl, Mr. and Mrs. John Hale, P. B. Hofslund, M. M. Keith, Olga Lakela, Catherine Lieske, Susan H. Lovald, Evelyn Palmer, Mr. and Mrs. Harvey Putnam, Joan Shoberg, Robert Ulvang, William Ulvang.

348. Excelsior, Minn. (7½-mile radius centering in Chanhassen, and including areas about Grays Bay of Lake Minnetonka, Glen Lake, Lake Lucy, Lake Ann, Minnesota River bottom, Christmas Lake; pasture and open fields 40%, deciduous woodland and planted evergreens 31%, open water 1%, river, creeks, ravines, marshland 28%. Suburban and rural residential areas characterize about 30% of listed terrain). —Dec. 26; 8 a.m. to 3:30 p.m. Broken clouds .6-.9; temp. 26° to 33°; wind WNW, 12-16 m.p.h.; light covering of old snow; all water frozen except creeks and few small spots in river. Twenty-one observers in 8 parties. Total party-hours, 25½ (10½ on foot, 15 by car); total party-miles, 169 (16 on foot, 153 by car). Mallard, 6; Black Duck, 90; Shoveller, 1 (seen at close range with Black Ducks in open water on Minn. River—Mrs. M.H., C.H.); Red-tailed Hawk, 2; Rough-legged Hawk, 4; unidentified buteo, 2; Sparrow Hawk, 1; unidentified accipiter, 1; Ring-necked Pheasant, 7; Mourning Dove, 6; Barred Owl, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 24; Blue Jay, 45; Am. Crow, 12; Black-capped Chickadee, 85; Tufted Titmouse, 1; White-breasted Nuthatch, 66; Brown Creeper, 8; Cedar Waxwing, 5; Gray Shrike, 1; Common Starling, 63; House Sparrow, 987; Red-winged Blackbird, 100; Rusty Blackbird, 2; Purple Grackle (Bronzed), 2; Cardinal, 30; Evening Grosbeak, 13; Purple Finch, 19; Pine Siskin, 25; Am. Goldfinch, 59; Slate-colored Junco, 161; **Oregon Junco,** 1 (Tryon); Am. Tree Sparrow, 1000 (est.); Snow Bunting, 2. **Total,** 36 species; about 2855 individuals. (Seen in area during week preceding Count: Am. Coot, 1; Winter Wren, 1; Brown Thrasher, 1; Am. Robin, 1; Golden-crowned Kinglet, 2; during week following Count: Carolina Wren, 1.)—Lester R. Badger, Angus Clarke, A. Dawes Du Bois, Charlotte A. Du Bois (compiler), Mr. and Mrs. Whitney H. Eastman, Mr. and Mrs. Ray Fuller, Colleen Helgeson, Mr. and Mrs. Malvin Herz and son Michael, Robert H. Landre, Grady E. Mann, Dr. and Mrs. Kenneth A. Phelps, Dr. H. G. Scott and son John, Mr. and Mrs. Philip D. Tryon, James W. Wilkie.

349. Grand Marais, Minn. (7½-mile radius centering northwest of Grand Marais on Gunflint Trail and including 15 miles of shoreline of Lake Superior from Cascades River north to Devils Track River; coniferous 40%, deciduous 30%, cutover area 15%, lake shore 15%).—Dec. 29; 7:30 a.m. to 4 p.m. Partially overcast; temp. +8° to −10°; wind NE to W, 20 m.p.h.; ground covered with 6-12-in. crusted snow; all fresh water open. Seven observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 80 (5 on foot, 75 by car). Am. Golden-eye, 30; Old-squaw, 25; Rough-legged Hawk, 1; Ruffed Grouse, 1; Glaucous Gull, 1; Herring Gull, 300+; Snowy Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Gray Jay, 10; Blue Jay, 2; Common Raven, 5; Black-capped Chickadee, 25. **Total,** 13 species; about 407 individuals.—Fred Glasoe, Bill Luwe, Mike Naylor, Huns Nelson,

George Palmer (compiler), Bob Hanlon, Orwin Rustad.

350. Minneapolis (north), Minn. (7½-mile radius from a park in Camden [north Minneapolis] to Anoka on both sides of Mississippi River; open farmland 60%, town suburbs 20%, deciduous farm woodlots 15%, deciduous river banks and valleys 2%, marshes and sloughs 2%, sand dunes 1%).—Jan. 2; 8 a.m. to 5 p.m. Cloudy; temp 15° to 20°; wind WNW, 10-12 m.p.h.; 2-in. snow; practically all creeks in area had open water, Mississippi River open in spots below Coon Creek Dam. Twenty-three observers in 8 parties. Total party-hours, 47½ (26 on foot, 21½ by car); total party-miles, 240 (36 on foot, 204 by car). Mallard, 71; Black Duck, 3; Am. Golden-eye, 500; Am. Merganser, 17; Sharp-shinned Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 147; Mourning Dove, 16; Snowy Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 30; Blue Jay, 32; Am. Crow, 133; Black-capped Chickadee, 59; Tufted Titmouse, 2; White-breasted Nuthatch, 37; Brown Creeper, 3; Winter Wren, 1; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 199; House Sparrow, 1138; meadowlark (sp.), 1; Cardinal, 6; Purple Finch, 2; Am. Goldfinch, 452; Slate-colored Junco, 327; Oregon Junco, 2 (one seen frequently during Dec. at feeder, identified by W. J. Breckenridge); Am. Tree Sparrow, 291. **Total,** 31 species; 3489 individuals.—Lewis Barrett, Delwin Cahoon, Amy Chambers, Roland Cole, Mr. and Mrs. Whitney Eastman, Mr. and Mrs. Edward Harms, Severena Holmberg, Elizabeth Jerabek, Mr. and Mrs. Boyd Lien (compiler), John Marx, Phyllis McRae, John Pavek, Mr. and Mrs. Malcolm Renfrew, Dr. H. G. Scott, John Scott, Vera Sparkes, David Thurston, Mrs. E. A. Vinton, Charles Wiberg (Minneapolis Bird Club).

351. Minneapolis (west and vicinity), Minn. (7½-mile radius centering on Minneapolis Golf Course and extending to junction of highways 55 and 101, Robbinsdale, Edina, Hopkins, and including Theodore Wirth Park and Roberts Bird Sanctuary; town suburbs 45%, open farmland 25%, deciduous woodlots 17%, lakes, marshes, and creeks 8%, city park and golf course 5%).—Dec. 26; 8 a.m. to 4:30 p.m. Partly cloudy; temp. 26° to 33°; wind W, 15 m.p.h.; ground covered with less than 1-in. crusted snow; small areas of open water in 3 creeks. Ten observers in 4 parties. Total party-hours, 30 (11 on foot, 19 by car); total party-miles, 208 (22 on foot, 186 by car). Mallard, 17; Ring-necked Pheasant, 91; **Mourning Dove,** 42; Horned Owl, 3; Barred Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 53; Blue Jay, 51; Am. Crow, 15; Black-capped Chickadee, 99; Tufted Titmouse, 2; White-breasted Nuthatch, 60; Brown Creeper, 3; Am. Robin, 1; Cedar Waxwing, 18; Common Starling, 424; House Sparrow, 1707; Western Meadowlark, 11 (singing); Red-winged Blackbird, 1; Cardinal, 15; Purple Finch, 19; Common Redpoll, 22; Am. Goldfinch, 68; Slate-colored Junco, 238; Am. Tree Sparrow, 428. **Total,** 27 species; 3400 individuals.—Jeremy Berman, Geo. Fisher, John Futcher (compiler), Burton Guttman, Mr. and Mrs. Henry Jerabek, Elizabeth Jerabek, Norris Jones, Wm. Nelson, Wm. Pieper (Avifaunal Club).

352. Minneapolis (south), Minn. (Lake Harriet, Lake Nokomis, Basspond, Minnesota River valley and Purgatory Creek; open farmland 40%, marshland and creek valleys 50%, city parks 10%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 26° to 33°; wind WNW, 18 m.p.h.; ground mostly bare, some old snow. Two observers in 1 party. Total hours, 9; total miles, 48 (8 on foot, 40 by car). Mallard, 205+; Black Duck, 8; Sharp-shinned Hawk, 1; Ring-necked Pheasant, 3; Barred Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 17; Blue Jay, 10; Am. Crow, 6; Black-capped Chickadee, 38; White-breasted Nuthatch, 16; Brown Creeper, 6; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 81; House Sparrow, 400+; Red-winged Blackbird, 12; Brewer's Blackbird, 2; Purple Grackle (Bronzed), 2; Cardinal 8; Purple Finch, 2; Am. Goldfinch, 2; Slate-colored Junco, 19; Am. Tree Sparrow, 270+. **Total,** 25 species; about 1117 individuals.—Mrs. E. W. Swedenborg, E. W. Swedenborg (compiler).

353. Northfield, Minn. (7½-mile radius centering at Northfield, including St. Olaf College campus, Carleton College arboretum, areas east along Highway 19, south along Highway 65 and west along Highway 19; open farmland 70%, creek valleys 4%, mixed coniferous and deciduous woods 1%, deciduous woods 20%, frozen marshland 5%).—Dec. 31; 9 a.m. to 4 p.m. Partly cloudy; temp. 9° to 35°; wind SE, 9 m.p.h.; 2-4-in. snow; very little open water in river. Three observers in 1 party. Total hours, 7 (3½ on foot, 3½ by car); total miles, 65 (12 on foot, 53 by car). Red-shouldered Hawk, 3; Rough-legged Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 14; Mourning Dove, 19; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 10; Blue Jay, 10; Am. Crow, 5; Black-capped Chickadee, 30; Tufted Titmouse, 2; White-breasted Nuthatch, 24; Brown Creeper, 4; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 20; Gray Shrike, 1; Common Starling, 20; House Sparrow, 10; meadowlark (sp.), 10; Cardinal, 10; Purple Finch, 1; Common Redpoll, 1; Am. Goldfinch, 75; Slate-colored Junco, 10; Am. Tree Sparrow, 50. **Total,** 31 species; about 344 individuals. (Seen in area Jan. 1: Red-tailed Hawk, 2.)—George Palmer, Bob Hanlon, Orwin A. Rustad (compiler).

354. St. Paul, Minn. (area same as last year; farm woodlots 10%, pine forest 30%, tamarack 5%, grassy, cattail, willow, alder, weedy swamps 20%, open fields 15%, spruce, cedar, and mixed thickets 5%, deciduous woodland 15%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Mostly fair; temp. 26° to 32°;

wind W, gusty, 5-15 m.p.h.; 2½-in. snow in woodlands; all lakes icebound, city canals open, open water runs in boggy cress. Eighteen observers in 5-6 parties. Total party-hours, 44 (20 on foot, 24 by car); total party-miles, 100 (28 on foot, 72 by car). Canada Goose, 75; Am. Golden-eye, 23; Red-tailed Hawk, 2; Ruffed Grouse, 3; Ring-necked Pheasant, 7; Horned Owl, 2; Barred Owl, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 15; Blue Jay, 23; Am. Crow, 5; Black-capped Chickadee, 110; Tufted Titmouse, 4; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 8; Brown Creeper, 4; Golden-crowned Kinglet, 28; Cedar Waxwing, 10; Gray Shrike, 1; Common Starling, 60; House Sparrow, 90; Brewer's Blackbird, 1 (in same locality where species observed last winter—O.E., A.C.R., *et al.*); Cardinal, 6; Evening Grosbeak, 1; Purple Finch, 12; Common Redpoll, 25; Pine Siskin, 2; Am. Goldfinch, 65; Slate-colored Junco, 115+; Am. Tree Sparrow, 160+; Lapland Longspur, 3. **Total,** 33 species; about 906 individuals.—Oscar Enstrom, O. G. Enstrom, Dorothy Faber, John A. Hall, Thomas Huntley, Caroline Larson, John Mara, Larry McEvoy, David Merry, Tom Meyer, Mrs. Walter Olin, Brother Paul, Kermit Piper, Brother Pius, Mrs. J. M. Rice, A. C. Rosenwinkel (compiler), David Thurston, Dr. Vernon Whipple (St. Paul Audubon Society).

355. St. Paul (south and vicinity), Minn. (deciduous-cedar woodland south of Inver Grove Bridge, town of Newport, open water runs at Pig's Eye Lake, deciduous woodland adjacent to Mississippi River in Pine Bend Area, Highwood, Mississippi River from St. Paul to Pine Bend, Mississippi River Bluff from Madison to Montreal Sts. in St. Paul; deciduous woods 45%, open fields 15%, frozen marshland 5%, open river and springs 25%, mixed deciduous and coniferous 10%).—Jan. 3; 7:30 a.m. to 4:30 p.m. Overcast; temp. 21° to 28°; wind SSW, 9-15 m.p.h.; 3-5-in. snow in woods, main channel of river open. Nine observers in 5 parties. Total party-hours, 23 (20 on foot, 3 by car); total party-miles, 87 (10 on foot, 77 by car). Mallard, 111; Black Duck, 12; Am. Golden-eye, 114; Red-tailed Hawk, 1; Ring-necked Pheasant, 7; Horned Owl, 1; Barred Owl, 1; Hairy Woodpecker, 6; Downy Woodpecker, 12; Blue Jay, 25; Am. Crow, 3; Black-capped Chickadee, 22; Tufted Titmouse, 3; White-breasted Nuthatch, 11; Gray Shrike, 1; Common Starling, 60+; House Sparrow, 265; Rusty Blackbird, 1; Cardinal, 9; Purple Finch, 9; Pine Siskin, 7; Am. Goldfinch, 4; Slate-colored Junco, 101; Am. Tree Sparrow, 234. **Total,** 24 species; 1020 individuals. (Seen in same area on Jan. 2: Red-winged Blackbird, 30+; Red-bellied Woodpecker, 2.)—John A. Hall, David Thurston, Kermit Piper, Mrs. Marjorie Allie, Caroline Larson, R. A. Kortmann, James Cummings, William Cummings, David Blais (St. Paul Audubon Society).

356. Sherburn, Minn. (7½-mile radius centering on Main and Manyaska Sts. in Sherburn, north to Elm Creek, east and south to Fox Lake, and return; pasture 25%, plowed fields 25%, town suburbs 10%, deciduous woodlots 20%, swamp and cattail marshes 10%, lake shore 10%).—Dec. 25; 7:30 a.m. to 5 p.m. Cloudy; temp. 10° to 20°; wind W, 5-12 m.p.h.; ground barely covered with snow; water at Fox Lake kept open by power plant. Three observers in 2 parties. Total party-hours, 20 (5 on foot, 15 by car); total party-miles, 20 (5 on foot, 15 by car). **White Pelican,** 1 (present since Sept. at Fox Lake, which is kept partially open by a power plant; possibly a wounded bird; a flock of migrating Canada Geese stopped at lake in Feb. and the pelican was last seen Feb. 21 when the geese departed); Mallard, 600; Lesser Scaup, 8; Am. Merganser, 3; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Ring-necked Pheasant, 92; Mourning Dove, 6; Screech Owl, 2; Yellow-shafted Flicker, 5; Hairy Woodpecker, 9; Downy Woodpecker, 7; Horned Lark, 475; Blue Jay, 14; Am. Crow, 49; Black-capped Chickadee, 42; White-breasted Nuthatch, 18; Brown Creeper, 4; Am. Robin, 1; Golden-crowned Kinglet, 5; Common Starling, 350; House Sparrow, 400; Western Meadowlark, 8; Red-winged Blackbird, 15; Brewer's Blackbird, 3 (with grackles and Red-wings); Purple Grackle, 3; Slate-colored Junco, 49; Am. Tree Sparrow, 67; Snow Bunting, 162. **Total,** 29 species; 2403 individuals.—William R. Luwe (compiler), Mrs. William R. Luwe, Robert G. Johnson.

357. Walker, Minn. (from Walker to points approximately 6 miles in each direction; around Walker Bay on Leech Lake, Lake May and Beckers Hilltop Sanctuary; coniferous forest 40% [Chippewa National], cut-over lands with alder, birch, and poplar stands 60%).—Dec. 27; 9 a.m. to 4 p.m. Cloudy, freezing mist in a.m.; temp. 20° to 16°; wind NW, 10 m.p.h.; ground covered with 18-in. soft snow; lakes frozen, a few streams open. Four observers in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 45 (3 on foot, 42 by car). Mallard, 5; Ruffed Grouse, 6; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 5; Blue Jay, 7; Black-capped Chickadee, 55; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 4; Brown Creeper, 1; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 7; House Sparrow, 60; Evening Grosbeak, 45; Pine Grosbeak, 8. **Total,** 16 species; 224 individuals.—Mr. and Mrs. Paul Becker, Mrs. Harold Hanson, Harold Hanson (compiler).

358. Wheaton, Minn. (7½-mile radius starting at bridge northwest of Wheaton and including Mud Traverse Lake, Mistinka River; lake and marshland 5%, town 1%, flat prairie farmland with windbreaks around farm buildings 94%).—Jan. 1; 9 a.m. to 5 p.m. Cloudy; temp. 0° to 14°; wind SE, 15-20 m.p.h.; about 2 ft. of crusted snow, with some fields blown partially bare; all water frozen. Two observers in 1 party. Total hours, 8 (by car); total miles, 100 (by car). Rough-legged Hawk, 4 (1 dark phase); European Partridge, 7; Ring-necked Pheasant, 926; Snowy Owl, 4; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark (Prairie), 1; Am. Crow, 102; Black-capped Chickadee, 9; White-breasted

Nuthatch, 3; Gray Shrike, 1; Common Starling, 82 (40±10, 42); House Sparrow, 200±; Western Meadowlark, 1; Snow Bunting, 104 (40±10, 64). **Total,** 15 species; about 1446 individuals. (Seen in area Dec. 21: Mourning Dove, 5.)—Ina Huggenvik (compiler), Rolf Huggenvik.

359. Cedar Falls, Iowa (Snag Creek, Goose Lake, Union Bridge, Josh Higgins Park, Cedar Heights; river-bottom forest 50%, upland forest 25%, savannahs 15%, fields 10%).—Jan. 1; 8 a.m. to 12 m., 1 to 4 p.m. Partly cloudy; temp. 28° to 42°; no wind; practically no snow on ground; rivers and ponds mostly frozen. Eight observers in 3 parties. Total party-hours, 19 (17 on foot, 2 by car); total party-miles, 75 (20 on foot, 55 by car). Lesser Scaup, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Ring-necked Pheasant, 9; Mourning Dove, 2; Horned Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 6; Hairy Woodpecker, 14; Downy Woodpecker, 24; Blue Jay, 24; Am. Crow, 325; Black-capped Chickadee, 77; Tufted Titmouse, 19; White-breasted Nuthatch, 33; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 2 (at feeding station for several weeks—M.K.); Am. Robin, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 32; Common Starling, 78; House Sparrow, 216; Cardinal, 32; Purple Finch, 4; Am. Goldfinch, 14; Slate-colored Junco, 240; Am. Tree Sparrow, 110; Harris's Sparrow, 5; Song Sparrow, 10. **Total,** 31 species; 1306 individuals. (Seen in area Dec. 24: Bald Eagle, 1—M.K.)—Frances Crouter, Eleanor Eifert, Martin L. Grant (compiler), Russell Hays, Margaret Knoll, Jean Martin, Eleanor O'Connell, Beulah Rugg (Cedar Falls Audubon Soc.).

360. Des Moines, Iowa (same areas as last year).—Dec. 26; 8 a.m. to 5 p.m. Clear and partly cloudy; temp. 30° to 43°; wind WSW, 10-15 m.p.h.; no snow; water open at impounding reservoir. Nineteen observers in 6 parties. Total party-hours, 46¾ (36 on foot, 10¾ by car); total party-miles, 134½ (33½ on foot, 101 by car). Mallard, 8000 (est.); Black Duck, 12; Pintail, 5; Canvas-back, 4; Lesser Scaup, 12; Am. Golden-eye, 20; Ruddy Duck, 1; Am. Merganser, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 20; Ring-necked Pheasant, 1; Am. Coot, 15; Mourning Dove, 1; Screech Owl, 2; Horned Owl, 3; Barred Owl, 6; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 28; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 4; Hairy Woodpecker, 16; Downy Woodpecker, 82; Horned Lark, 4; Blue Jay, 51; Am. Crow, 93; Black-capped Chickadee, 293; Tufted Titmouse, 56; White-breasted Nuthatch, 70; Red-breasted Nuthatch, 4; Brown Creeper, 11; Am. Robin, 13; Eastern Bluebird, 4; Golden-crowned Kinglet, 7; Cedar Waxwing, 12; Common Starling, 161; House Sparrow, 991; meadowlark (sp.), 2; Red-winged Blackbird, 13; Cardinal, 192; Purple Finch, 9; Am. Goldfinch, 40; Red Crossbill, 6; Eastern Towhee, 3; Slate-colored Junco, 325; Am. Tree Sparrow, 818; Harris's Sparrow, 39; White-crowned Sparrow, 5; White-throated Sparrow, 2; Song Sparrow, 30. **Total,** 53 species; about 11,537 individuals.—Dorothy Anderson, Albert C. Berkowitz, Mrs. Thomas A. Bond, Woodward H. Brown, Ruth Chapman, Oliver Graves, Dick Hanson, Mr. and Mrs. Lester Haskell, Mrs. Schuyler S. Hunter, Olivia McCabe, George McGill, Mrs. Gladys Nicholson, Mrs. Helen Peasley, Bruce F. Stiles, Mrs. Tom Pettit, Mary Ellen Warters, Mrs. Toni Wendelburg, Lynn Willcockson (compiler).

361. Dubuque, Iowa (Linwood and Mt. Calvary cemeteries, Eagle Point Park, City Island, Mississippi River sloughs in Wisconsin; open fields 10%, coniferous woodlands 15%, deciduous woodlands 40%, river sloughs 35%).—Dec. 27; 7:30 a.m. to 3 p.m. Mostly cloudy; temp. 25° to 35°; wind W, 12-18 m.p.h.; ground covered in spots with 2-4-in. old snow; river below dam and about 15 acres above dam open. Ten observers in 1 party. Total hours, 7½ (7 on foot, ½ by car); total miles, 14 (9 on foot, 5 by car). Am. Golden-eye, 1; Red-tailed Hawk, 1; Bald Eagle, 3; Herring Gull, 5; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 22; Am. Crow, 15; Black-capped Chickadee, 18; Tufted Titmouse, 4; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 5; Common Starling, 38; House Sparrow, 79; Cardinal, 23; Purple Finch 12; Am. Goldfinch, 4; Slate-colored Junco, 46; Am. Tree Sparrow, 39; White-throated Sparrow, 6; Song Sparrow, 1. **Total,** 31 species; 375 individuals. (Seen in area Dec. 26: Killdeer, 1.)—Clifford O. Johnson, Lois Lampe, R. K. Lampe, Floyd Wharton, Jack Bennett, Dale Wagner, Ival Schuster, Pauline Ruegnitz, Frieda Crossley, George Crossley (compiler) (Dubuque Audubon Club).

362. Harpers Ferry [=McGregor last year], Iowa (7½-mile radius centering on S¼ corner Sec. 15-97-3, from McGregor to U.S. Govt. Dam No. 9, including parts of Bloody Run Creek, Yellow River and Mississippi River bottoms; town suburbs 5%, pasture 10%, plowland 20%, overflow bottom 30%, deciduous timber 30%, coniferous timber 5%).—Dec. 27; 7 a.m. to 4 p.m. Cloudy; temp. 28° to 36°; wind SSW, 5-12 m.p.h.; ground bare; some fresh water open. Three observers in 1 party. Total hours, 9 (7 on foot, 2 by car); total miles, 63½ (11½ on foot, 52 by car). Unidentified ducks, 3; Bald Eagle, 2; Ruffed Grouse, 1; Barred Owl, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 15; Am. Crow, 27; Black-capped Chickadee, 41; Tufted Titmouse, 1; White-breasted Nuthatch, 20; Brown Creeper, 1; Golden-crowned Kinglet, 1; Common Starling, 8; House Sparrow, 366; Cardinal, 47; Am. Goldfinch, 4; Slate-colored Junco, 171; Am. Tree Sparrow, 379. **Total,** 23 species; 1111 individuals.—O. P. Allert, A. J. Palas (compiler), F. R. Palas.

363. **Iowa City, Iowa** (same as previous years; open farmland 45%, deciduous woodland 45%, coniferous woodland 10%).—Dec. 30; 7 a.m. to 5 p.m. Clear in a.m., snow flurries in p.m.; temp. 10° to 20°; wind SW, 2-8 m.p.h.; ground clear of snow except on north slopes; ponds frozen, rivers with some open channels. Nine observers in 4 parties. Total party-hours, 25 (13 on foot, 12 by car); total party-miles, 173 (15 on foot, 158 by car). Mallard, 18; Red-tailed Hawk, 21; Red-shouldered Hawk, 3; Rough-legged Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 1; Bob-white, 29; Ring-necked Pheasant, 3; Horned Owl, 1; Barred Owl, 4; Long-eared Owl, 2; Short-eared Owl, 2; Saw-whet Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 23; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 37; Hairy Woodpecker, 8; Downy Woodpecker, 30; Horned Lark, 6; Blue Jay, 44; Am. Crow, 55; Black-capped Chickadee, 100; Tufted Titmouse, 20; White-breasted Nuthatch, 40; Brown Creeper, 2; Am. Robin, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 4; Gray Shrike, 3; Common Starling, 800 (est.); House Sparrow, 200 (est.); Western Meadowlark, 30; Red-winged Blackbird, 52; Purple Grackle, 1; Cardinal, 77; Purple Finch, 3; Am. Goldfinch, 27; Eastern Towhee, 2; Slate-colored Junco, 193; Am. Tree Sparrow, 263; Field Sparrow, 5; Song Sparrow, 21. **Total,** 43 species; about 2162 individuals.—Thomas H. Kent (compiler), F. W. Kent, Dr. and Mrs. Peter Laude, James Decker, A. Lang Baily, Norwood Hazard, Thomas Morrissey, Peter Petersen.

364. **Mount Vernon, Iowa** (same area as last year).—Dec. 29; 7:30 a.m. to 4 p.m. Partly cloudy; temp. 32° to 42°; wind WNW, 10 m.p.h.; traces of old snow on ground; main channel of Cedar River open, Muskrat Slough completely frozen over. Two observers in 1 party. Total hours, 7½ (6 on foot, 1½ by car); total miles, 46 (8 on foot, 38 by car). Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Ring-necked Pheasant, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 8; Am. Crow, 10; Black-capped Chickadee, 11; Tufted Titmouse, 4; White-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 2; Common Starling, 19; House Sparrow, 86; Cardinal, 2; Slate-colored Junco, 28; Am. Tree Sparrow, 31; Song Sparrow, 4. **Total,** 22 species; 235 individuals. (Seen in area Dec. 30: Mourning Dove, 34; Marsh Hawk, 1; Cedar Waxwing, 27; Horned Lark, 2; Jan. 2: Barred Owl, 1; Bluebird, 1.)—J. Harold Ennis (compiler), J. David Ennis.

365. **Sioux City, Iowa** (7½-mile radius centering on 6th and Douglas Sts.; deciduous timber, hilly woodland, and park area 40%, wooded streams and springs 15%, coniferous cemetery and park area 10%, marsh 5%, open field 20%, city and suburban area 10%).—Dec. 27; 8 a.m. to 5 p.m. Overcast, occasional rain; temp. 23° to 39°; wind S to SE, 12 m.p.h.; ground bare, some snow patches; small lakes and small streams frozen, some open water in larger lakes and rivers. Twenty-two observers in 10 parties. Total party-hours, 36 (25½ on foot, 10½ by car); total party-miles, 183 (26 on foot, 157 by car). Snow Goose, 1 (present at Brown's Lakes before and after Count—H.A.); Mallard, 2500 (est.); Am. Widgeon, 11; Shoveller, 2 (H.A.); Lesser Scaup, 1; Old-squaw, 2 (Dr. and Mrs. J.L.S.); Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 3; Bob-white, 25; Ring-necked Pheasant, 4; Mourning Dove, 1; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 51; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 29; Horned Lark, 800 (est.); Blue Jay, 17; Am. Crow, 5000 (est.); Black-capped Chickadee, 175; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 2; Brown Creeper, 21; Catbird, 2; Am. Robin, 950; Eastern Bluebird, 49; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 1; Bohemian Waxwing, 10 (Mr. and Mrs. G.E.M.); Cedar Waxwing, 30; Gray Shrike, 1; Common Starling, 2500 (est.); House Sparrow, 2000 (est.); Western Meadowlark, 12; Red-winged Blackbird, 2000 (est.); Purple Grackle, 2; Cardinal, 31; Pine Siskin, 37; Am. Goldfinch, 105; Eastern Towhee, 2; Slate-colored Junco, 800 (est.); Oregon Junco, 20; Am. Tree Sparrow, 270; Chipping Sparrow, 15 [no details—Ed.]; Harris's Sparrow, 30; White-crowned Sparrow, 1; Fox Sparrow, 1 (Mrs. D.M.H.); Song Sparrow, 6. **Total,** 52 species; about 17,574 individuals.—Mr. and Mrs. W. W. Barrett, George E. Marsh (compiler), Mrs. George E. Marsh, Dr. and Mrs. J. L. Schott, L. J. and Bob Nickolson, R. J. Jensen, Gertrude Weaver, Mr. and Mrs. H. T. Lambert, Herrold Asmussen, Mr. and Mrs. Albert Moir, Mr. and Mrs. Darrell M. Hanna, Karl B. Kuhlmann, Mr. and Mrs. Willis Howard, Mr. and Mrs. A. H. Schatz.

366. **Sweet Marsh Refuge, Tripoli, Iowa** (and Wapsipinicon River bottom near Readlyn; Sweet Marsh [flooded area and marsh] 50%, Wapsipinicon River bottom 40%, road leading to areas and adjacent farmlands 10%).—Dec. 29; 7:45 a.m. to 4:30 p.m. Clear, with broken clouds, to cloudy; temp. 32°; wind NW, 10-25 m.p.h.; ground frozen with very small patches of snow; water of Sweet Marsh frozen, running water in Wapsipinicon River. Six observers in 4 parties. Total party-hours, 22 (21 on foot, 1 by car); total party-miles, 117 (50 on foot, 67 by car [one party]). Mallard, 5; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 3; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 19; Hairy Woodpecker, 21; Downy Woodpecker, 51; Blue Jay, 47; Am. Crow, 39; Black-capped Chickadee, 91±; White-breasted Nuthatch, 70; Red-breasted Nuthatch, 3; Brown Creeper, 8; Golden-crowned Kinglet, 2; Common Starling, 25; House Sparrow, 75; Cardinal, 6; Am. Goldfinch, 3; Slate-colored Junco, 67+; Am. Tree Sparrow, 180+;

Swamp Sparrow, 6; Song Sparrow, 25. **Total,** 30 species; about 779 individuals.—Jack B. Heifner, Russel M. Hays, Martin L. Grant, Ettalee Hazlett, Marvel Lesch, Myrle M. Burk (compiler) (Waterloo Audubon Society).

367. Black Walnut (St. Charles Co.), Mo. (7½-mile radius centering on Black Walnut and including area between the Miss. and Mo. rivers near their conjunction; all former marshy areas completely dry except river sloughs; cultivated level fields 70%, wooded areas bordering Mississippi River, including river 25%, dried weed-grown marshland 5%).—Jan. 1; 7:30 a.m. to 4:45 p.m. Clear; temp. 42° to 58°; wind SSW, 7-15 m.p.h. Twelve observers in 5 parties. Total party-hours, 38 (27 on foot, 11 by car); total party-miles, 218 (31 on foot, 187 by car). Great Blue Heron, 1; Mallard, 15,000+; Black Duck, 9; Gadwall, 2; Am. Widgeon, 1; Pintail, 1; Redhead, 4; Ring-necked Duck, 4; Canvas-back, 136; Lesser Scaup, 87; Am. Golden-eye, 78; Ruddy Duck, 1; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2 (including 1 Western); Red-shouldered Hawk, 1; Bald Eagle, 3; Marsh Hawk, 7; Sparrow Hawk, 9; Bob-white, 33; Herring Gull, 1; Ring-billed Gull, 61; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 43; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 17 (including 1 Northern, identified by deep yellow eye-line and forehead); Blue Jay, 18; Am. Crow, 176; Black-capped Chickadee, 4; Carolina Chickadee, 5 (identified by call notes); Tufted Titmouse, 11; White-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 4; Am. Robin, 39; Eastern Bluebird, 9; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 78; Loggerhead Shrike, 2; Common Starling, 750 (est.); Myrtle Warbler, 1; House Sparrow, 34; European Tree Sparrow, 11; Eastern Meadowlark, 23; Red-winged Blackbird, 58; Purple Grackle, 1; Cardinal, 42; Pine Siskin, 30; Am. Goldfinch, 48; Eastern Towhee, 3; Vesper Sparrow, 1; Slate-colored Junco, 83; Am. Tree Sparrow, 42; White-throated Sparrow, 28; Swamp Sparrow, 11; Song Sparrow, 9. **Total,** 65 species (2 additional subspecies); about 17,075 individuals. (Seen in area previous week-end: Old-squaw, Hooded Merganser, Krider's Hawk, Am. Coot, Shoveller, Prairie Falcon [seen under ideal conditions at close range both sitting and flying, dark axillars prominent—E.A., S.H.].)—Dr. Elisha Atkins, Beulah Bedell, Alberta Bolinger, Geo. Cameron, James Earl Comfort (compiler), Stoner Haven, David Jones, David Marack, Frances Pickel, Dorian Scott, Sally Springer, Kurt Wesseling, Jr. (Webster Groves Nature Study Society).

368. Kansas City, Mo. and Kans. (7½-mile radius centering in Argentine and including Quivira Lake, Wyandotte County Lake, North Terrace Park, and northwest end of Swope Park; open fields 20%, deciduous wooded lakes 50%, deciduous woodland park 30%).—Dec. 27; 6:50 a.m. to 4 p.m. Clear; temp. 32° to 40°; wind SW, 0-10 m.p.h.; ground covered with 6-in. snow; one lake 75% open. Twenty-seven observers in 4 parties. Total party-hours, 38 (32 on foot, 4 by car, 2 by bicycle); total party-miles, 55 (15 on foot, 30 by car, 10 by bicycle). Pied-billed Grebe, 2; Canada Goose, 1; Mallard, 3000; Black Duck, 5; Gadwall, 50; Am. Widgeon, 1; Pintail, 15; Green-winged Teal, 1; Redhead, 1; Lesser Scaup, 4; Am. Golden-eye, 3; Buffle-head, 4; Hooded Merganser, 3; Am. Merganser, 351; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Harlan's Hawk, 1? (a large black buteo observed across river; species positively identified on Dec. 31 in same grove of trees with 20x scope); Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 2; Sparrow Hawk, 4; Bob-white, 24; Am. Coot, 6; Screech Owl, 2; Horned Owl, 1; Barred Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 35; Red-headed Woodpecker, 27; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 13; Downy Woodpecker, 51; Horned Lark, 10; Blue Jay, 108; Am. Crow, 84; Black-capped Chickadee, 92; Tufted Titmouse, 65; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 31; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 35; Golden-crowned Kinglet, 6; Loggerhead Shrike, 1; Common Starling, 119; Myrtle Warbler, 1; House Sparrow, 125; meadowlark (sp.), 4; Cardinal, 165; Purple Finch, 3; Pine Siskin, 10; Am. Goldfinch, 135; Slate-colored Junco, 272; Oregon Junco, 1; Am. Tree Sparrow, 183; Harris's Sparrow, 4; White-crowned Sparrow, 15; White-throated Sparrow, 2; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 94; Lapland Longspur, 8. **Total,** 68 species; 5242 individuals. (Seen in area Dec. 26: Red-winged Blackbird, 8; Dec. 31: Cedar Waxwing, 8; Ring-necked Duck, 1; Greater Scaup, 1.)—Esther O'Connor, Rilla Hammat, Bernice Tatum, Henry Harford, Philoma Foster, Marjorie Davidson, Andrew Randolph, Hope Randolph, Marilyn Bishop, John Bishop (compiler), James Meyers, Sr., James Meyers, Jr., Mr. and Mrs. John Bart, Elliot Major, Estelle Major, Jim Mariner, Elliott Parker, Donald Hall, H. E. Schoen, Carter Hamilton, Dick Dawson, Ben King, Walker Butin, Harold Hedges, Dean Cole, Elizabeth Cole (Burroughs Nature Club).

369. Ranken (St. Louis Co.), Mo. (tract between Valley Park and Eureka 6 miles long, 4 miles wide; deciduous woods on Ozark hillslopes 40%, open valleys bordering spring-fed creeks and Meramec River 40%, red cedar groves 8%, farmland 10%, water 2%; this area is now a Boy Scout Reservation).—Dec. 27; 8 a.m. to 4 p.m. Clear to partly cloudy by 3 p.m.; temp. 31° to 51°; wind S, 40 m.p.h.; ground clear, frozen, thawing in late a.m.; conditions extremely dry; some ice in Meramec River but 95% open water, creeks dry. Eighteen observers in 5 parties. Total party-hours, 20 (on foot); total party-miles, 14 (on foot). Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Bob-

white, 8; Killdeer, 4; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 19; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 41; Am. Crow, 7; Carolina Chickadee, 25; Tufted Titmouse, 27; White-breasted Nuthatch, 6; Bewick's Wren, 1; Carolina Wren, 11; Mockingbird, 2; Am. Robin, 28; Eastern Bluebird, 24; Golden-crowned Kinglet, 2; Cedar Waxwing, 42; Common Starling, 3; House Sparrow, 32; Eastern Meadowlark, 1; Cardinal, 82; Purple Finch, 24; Am. Goldfinch, 22; Slate-colored Junco, 297; Am. Tree Sparrow, 31; Field Sparrow, 3; White-throated Sparrow, 2; Song Sparrow, 19. **Total,** 35 species; 797 individuals.—B. Bedell, C. Beerman, L. Charles, J. E. Comfort, J. F. Comfort, F. H. Cordes, C. R. Criger, M. Feigley, Earl H. Hath, V. Henry, G. Kirstead, E. T. Magner, J. M. Magner (compiler), L. Nagel, F. H. Pickel, M. Self, L. Taylor, D. West.

370. Trimble Wildlife Area, Trimble, Mo. (along main levee of 170-acre lake, adjacent marshes and farmland; lakeshore 70%, marshes 10%, deciduous woodland 5%, open fields 5%, weedy roadsides 10%).—Dec. 27; 7:30 a.m. to 2:30 p.m. Clear; temp. 5° to 35°; wind NW, 1-5 m.p.h.; ground covered with 4-12-in. snow; all water areas frozen; area hit by severe blizzard Dec. 21. Two observers in 1 party. Total hours, 7 (6 on foot, 1 by car); total miles, 3 (2 on foot, 1 by car). Canada Goose, 30; Mallard, 3000 (est.); Pintail, 1; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Red-shafted Flicker, 1 (observed in good light with 10x50 glasses; perched on dead limb at 200 ft.); Downy Woodpecker, 6; Horned Lark, 1; Blue Jay, 2; Am. Crow, 30; Black-capped Chickadee, 4; Tufted Titmouse 3; Carolina Wren, 6; Common Starling, 10; House Sparrow, 20; Eastern Meadowlark, 1 (singing); Western Meadowlark, 1 (singing); Cardinal, 2; Am. Goldfinch, 50; Slate-colored Junco, 50; Am. Tree Sparrow, 200; Swamp Sparrow, 2; Song Sparrow, 30. **Total,** 24 species; 3454 individuals.—N. Irving Fay, Sylvia Fay.

371. Weldon Springs (St. Charles Co.), Mo. (August A. Busch Wildlife Experimental Management Area under supervision Mo. Conservation Comm., including artificial lakes, open woods, cultivated and uncultivated fields and partially dry creeks; deciduous woods sprinkled with red cedar 25%, rolling fields 70%, wood-bordered creeks 5%).—Jan. 2; 8 a.m. to 4:15 p.m. Clear; temp. 41° to 59°; wind WSW, 9-16 m.p.h. Thirteen observers in 4 parties. Total party-hours, 27 (25 on foot, 2 by car); total party-miles, 37 (16 on foot, 21 by car). Mallard, 19; Pintail, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 29; Ring-necked Pheasant, 2; Wilson's Snipe, 1; Mourning Dove, 2; Horned Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 56; Hairy Woodpecker, 3; Downy Woodpecker, 11; Horned Lark, 26 (Prairie, 25; Northern, 1); Blue Jay, 31; Am. Crow, 16; Black-capped Chickadee, 9; Carolina Chickadee, 2 (identified by call notes); Tufted Titmouse, 23; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 1; Winter Wren, 4; Carolina Wren, 6; Mockingbird, 18; Am. Robin, 31; Eastern Bluebird, 19; Cedar Waxwing, 43; Loggerhead Shrike, 1; Common Starling, 14; Myrtle Warbler, 19; House Sparrow, 64; Eastern Meadowlark, 47; Red-winged Blackbird, 28; Cardinal, 47; Purple Finch, 8; Am. Goldfinch, 326; Eastern Towhee, 3; Leconte's Sparrow, 1 ("by no means a common winter visitor, but not unusual to list it in Dec. and Jan."—J.E.C.); Vesper Sparrow, 1; Slate-colored Junco, 887; Oregon Junco, 5; Am. Tree Sparrow, 1203; Chipping Sparrow, 1 (seen at close range—J.V.B.); Field Sparrow, 4; Harris's Sparrow, 2; White-crowned Sparrow, 28 (including 3 Gambel's); White-throated Sparrow, 3; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 28. **Total,** 58 species (2 additional subspecies); about 3138 individuals.—Alberta Bolinger, Geo. Cameron, James Earl Comfort (compiler), James F. Comfort, Earl H. Hath, Robt. H. Heidbreder, Mr. and Mrs. Robt. J. Hill, James Jackson, David Jones, Lance Jones, C. Bruce Tanner, Jr., Jack Van Benthuysen (Webster Groves Nature Study Society).

372. Camp Chaffee, Ark. (7½-mile radius centering on 17th St. at 4th Ave., and including KD Ranges, Fort Smith Creek between 2nd and 21 Sts., and Chaffee Wood from Fort Smith Blvd. to main entrance; deciduous woods 25%, creek bottomlands 25%, open uncultivated fields 25%, roads 15%, marsh 10%).—Dec. 25; 8 a.m. to 5 p.m. Clear, ground frozen in a.m.; temp. 19° to 45°; wind W, 0-2 m.p.h.; creeks 50% frozen, springs keeping water open in particular areas; no precipitation within week. Three observers in 1 party. Total hours, 9 (on foot); total miles, 12 (on foot). Turkey Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 19; Killdeer, 1; Am. Woodcock, 8; Wilson's Snipe, 15; Mourning Dove, 8; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 3; Eastern Phoebe, 2; Horned Lark, 67; Blue Jay, 27; Am. Crow, 68; Carolina Chickadee, 17; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 3; Mockingbird, 6; Am. Robin, 786; Hermit Thrush, 6; Eastern Bluebird, 29; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 1; Water Pipit, 28; Cedar Waxwing, 18; Loggerhead Shrike, 2; Common Starling, 30; Myrtle Warbler, 6; House Sparrow, 28; Eastern Meadowlark, 98; Western Meadowlark, 1 (identified by call note); Red-winged Blackbird, 208; Rusty Blackbird, 56; Brewer's Blackbird, 1 (identified by dark eye—J.T.); Purple Grackle, 70; Brown-headed Cowbird, 8; Cardinal, 16; Purple Finch, 6; Am. Goldfinch, 23; Eastern Towhee, 1;

Vesper Sparrow, 5; Slate-colored Junco, 61; **Am. Tree Sparrow,** 430 (in mixed flocks of sparrows and juncos—all observers); Field Sparrow, 86; White-crowned Sparrow, 23; White-throated Sparrow, 90; Fox Sparrow, 6; Lincoln's Sparrow, 7 (in a flock of Song and Tree Sparrows—all observers); Swamp Sparrow, 4; Song Sparrow, 19; **Lapland Longspur,** 3000 (est.); **Chestnut-collared Longspur,** 6 ("easily recognized by song. Since I was relatively familiar with all the Lapland's notes from the St. Louis and Alaska areas, I easily detected some sweet notes among the many birds. Luckily a flock of birds landed within a few feet of us and in it were the 6 Chestnut-collared Longspurs. Upon landing, you could observe the different tail pattern and blackish breast. After studying the birds for 10 min. we deliberately flushed the birds to record their call notes more clearly. The sweet wiry notes were far different from the many Lapland's notes"—E.W.). **Total,** 69 species; about 5476 individuals.—Pvt. John Taylor, Pvt. Dave Thompson, Pvt. Eugene Wilhelm, Jr. (compiler).

373. **El Dorado, Ark.** (4-mile radius same as last year; lake edge 30%, bottomland oak-pine woodland 30%, upland pine-oak woodland 16%, fields and pastures 24%).—Dec. 29; 7:10 a.m. to 5:15 p.m. Broken clouds at 7500 ft.; temp. 35° to 54°; wind S to SW, 4-14 m.p.h.; ground wet from rain of Dec. 27. Four observers in 2 parties, except in 1 party in fields and in car). Total party-hours, 14½ (13 on foot, 1½ by car); total party-miles, 47 (14 on foot, 33 by car). Pied-billed Grebe, 9; Great Blue Heron, 6; scaup (sp.), 2; Turkey Vulture, 5; Black Vulture, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Sparrow Hawk, 1; Bob-white, 1; Killdeer, 9; Mourning Dove, 12; Barred Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 20; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 10; Red-cockaded Woodpecker, 1; Eastern Phoebe, 1; Blue Jay, 11; Am. Crow, 4; Carolina Chickadee, 21; Tufted Titmouse, 13; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 17; Mockingbird, 15; Brown Thrasher, 11; Am. Robin, 14; Hermit Thrush, 4; Eastern Bluebird, 42; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 6; Cedar Waxwing, 3; Loggerhead Shrike, 5; Common Starling, 1; Myrtle Warbler, 3; Pine Warbler, 2; House Sparrow, 5; Eastern Meadowlark, 67; Red-winged Blackbird, 5; Rusty Blackbird, 7; Purple Grackle, 65; Brown-headed Cowbird, 3; unidentified blackbirds, 90; Cardinal, 54; Am. Goldfinch, 66; Eastern Towhee, 6; Leconte's Sparrow, 2; Slate-colored Junco, 74; Field Sparrow, 47; White-throated Sparrow, 160 (79±20, 81); Fox Sparrow, 10; Swamp Sparrow, 7; Song Sparrow, 80 (38±10, 42). **Total,** 59 species; about 1047 individuals. (Seen in area Dec. 28: Brown-headed Nuthatch, 8.)—Mrs. Hilery E. Hanna, Mary Isabel Hanna, Arnold J. Hoiberg (compiler), John A. Hoiberg.

374. **Fort Smith, Ark.** (6-mile radius centering on Rogers Ave. and 20th St., including same area as previous years with addition of river-bottom woods near Rose Lawn Cemetery; upland deciduous forest 37%, bottomland fields and deciduous forests 33%, farm ponds and pastures 26%, plowed river-bottom fields 3%, town lots 1%).—Dec. 28; 8 a.m. to 5:30 p.m. Cloudy, but clearing during p.m.; temp. 25° to 42°; wind W, average 6.3 m.p.h.; most lakes and ponds covered with thin ice; ground wet from rain on Dec. 27. Twelve observers in 2 parties. Total party-hours, 19 (14¾ on foot, 4¼ by car); total party-miles, 91 (19 on foot, 72 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Canvas-back, 250; Red-tailed Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 4; Bob-white, 9; Killdeer, 1; Wilson's Snipe, 1; Mourning Dove, 22; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 17; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 9; Horned Lark, 149 (including 1 Northern—J.W.); Blue Jay, 77; Am. Crow, 83; Carolina Chickadee, 46; Tufted Titmouse, 32; White-breasted Nuthatch, 9; Bewick's Wren, 1; Carolina Wren, 12; Mockingbird, 29; Brown Thrasher, 3; Am. Robin, 85; Hermit Thrush, 1; Eastern Bluebird, 38; Cedar Waxwing, 26; Loggerhead Shrike, 6; Common Starling, 1435 (1100±200, 335); House Sparrow, 1151 (1100±200, 51); Eastern Meadowlark, 32; Red-winged Blackbird, 1; Brewer's Blackbird, 1 (J.W., B.B.); Purple Grackle, 2983 (2000±400, 983); Cardinal, 85; Purple Finch, 1; Am. Goldfinch, 11; Eastern Towhee, 4; **Lark Bunting,** 1 (observed at 15-20 ft. with 10x35 glasses; white shoulder patch readily noticeable in flight—J.W.); Grasshopper Sparrow, 40 (in fields around airport—R.A.) [no further details—Ed.]; **Vesper Sparrow,** 1; Slate-colored Junco, 261; Chipping Sparrow, 23; Field Sparrow, 31; Harris's Sparrow, 2; White-crowned Sparrow, 2; White-throated Sparrow, 51; Fox Sparrow, 4; Lincoln's Sparrow, 2 (J.W., B.B., R.A.); Song Sparrow, 11. **Total,** 55 species (1 additional subspecies); about 7104 individuals. (Seen in area Dec. 29: Short-eared Owl, 1; Pileated Woodpecker, 1; Jan. 2: Bald Eagle, 1.)—Ruth Armstrong, Bill Beall, Hugh Center, Theron Chappell, T. G. Hoffman, Bill Hunt, Jerry Lloyd, Tommy Miller, George Anna Parr, Myria Riddle, James Wear, Lyndall York.

375. **Lonoke, Ark.** (same as 1952 but eliminating Highway 70 east; deciduous woods 45%, highways and old fields and pastures 25%, rice fields 5%, duck ponds 5%, 267-acre fish hatchery with 3/5 of ponds drained 20%).—Dec. 26; 7 a.m. to 4:40 p.m. Clear; temp. 28° to 54°; wind light; ground frozen in a.m. One car but 2nd sub-group on foot in a.m. Five observers in 1-2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 70 (15 on foot, 55 by car). Pied-billed Grebe, 1; Great Blue Heron, 10; Canada Goose, 9; Mallard, 400; Black Duck, 6; Gadwall, 6; Am. Widgeon, 608; Pintail, 104; Green-winged Teal, 3; Shoveller, 277; Wood Duck, 2; Turkey Vulture, 26; Black Vulture, 2; Cooper's Hawk, 1;

Red-tailed Hawk, 15; Red-shouldered Hawk, 2; **Rough-legged Hawk,** 1 (B.C.'s); Marsh Hawk, 8; Sparrow Hawk, 8; Bob-white, 11; King Rail, 2; Am. Coot, 14; Killdeer, 165; **Wilson's Snipe,** 236; Least Sandpiper, 108; Mourning Dove, 4; Barred Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 19; Pileated Woodpecker, 6; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 11; Eastern Phoebe, 1; Horned Lark, 27; Blue Jay, 25; Am. Crow, 12; Carolina Chickadee, 28; Tufted Titmouse, 12; Winter Wren, 11; Bewick's Wren, 3; Carolina Wren, 14; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 1 (B.C.); Mockingbird, 26; Brown Thrasher, 4; Am. Robin, 25; Hermit Thrush, 14; Eastern Bluebird, 17; Golden-crowned Kinglet, 7; Water Pipit, 62; **Sprague's Pipit,** 3; Cedar Waxwing, 6; Loggerhead Shrike, 22; Common Starling, 1432; House Sparrow, 264; Eastern Meadowlark, 209; Western Meadowlark, 1 (singing); Red-winged Blackbird, 4634; Rusty Blackbird, 56; Purple Grackle, 14,152; Brown-headed Cowbird, 16; Cardinal, 130; Purple Finch, 3; Am. Goldfinch, 86; Eastern Towhee, 15; Savannah Sparrow, 68; Leconte's Sparrow, 1 (R.D.S.); Vesper Sparrow, 3; Slate-colored Junco, 207; Field Sparrow, 98; Harris's Sparrow, 2; White-crowned Sparrow, 36; White-throated Sparrow, 178; Fox Sparrow, 4; Swamp Sparrow, 89; Song Sparrow, 235; **Lapland Longspur,** 1083 (±100). **Total,** 81 species; about 60,421 individuals. Morning and day flocks of blackbirds and Starlings listed. Additional 35,000, added only to total, were only part of one evening-flight line. Rough-legged Hawk and a Red-tailed Hawk at same time afforded comparative observation; Sprague's Pipits located Nov. 26 (3rd Ark. record) as part of a Mid-South survey.—Mr. and Mrs. Ben B. Coffey, Jr., Harry Landis, Jr., Geo. Peyton, Jr., R. Demett Smith, Jr. (Memphis).

376. **St. Charles, Ark.** (White River National Wildlife Refuge headquarters south over bottoms road to Demonstration Area, White Lake, Frazer Lake, Price's Lake, and fields and woods on Farm Unit, returning via State Highway No. 1 to St. Charles; bottomland hardwoods 40%, farmland and meadow 30%, lakes and bayous 15%, coppice and abandoned fields 10%, lawns and farm sites 5%).—Dec. 30; 8:30 a.m. to 4 p.m. Clear, turning cloudy in p.m.; temp. 36° to 40°; wind N, 5-10 m.p.h.; ground damp; no water areas frozen. Two observers in 1 party. Total hours, 7½ (6½ on foot, 1 by car); total miles, 20 (8 on foot, 12 by car). Double-crested Cormorant, 2; Canada Goose, 200 (est.); Mallard, 80,000 (est.); Black Duck, 25; Pintail, 160 (est.); Green-winged Teal, 200 (est.); Shoveller, 6; Wood Duck, 1; Black Vulture, 2; Red-tailed Hawk, 8; Golden Eagle, 3; Bald Eagle, 3; Marsh Hawk, 2; Killdeer, 4; Mourning Dove, 2; Yellow-shafted Flicker, 10; Pileated Woodpecker, 7; Red-bellied Woodpecker, 48; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 10; Eastern Phoebe, 1; Blue Jay, 23; Am. Crow, 1; Carolina Chickadee, 56; Tufted Titmouse, 24; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 3; Brown Thrasher, 5; Am. Robin, 19; Hermit Thrush, 2; Eastern Bluebird, 15; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 6; Cedar Waxwing, 59; Loggerhead Shrike, 2; Common Starling, 64; Myrtle Warbler, 1; House Sparrow, 34; Eastern Meadowlark, 106; Red-winged Blackbird, 675; Rusty Blackbird, 15; Purple Grackle, 48; Brown-headed Cowbird, 8; Cardinal, 38; Am. Goldfinch, 20; Slate-colored Junco, 109; White-throated Sparrow, 131; Swamp Sparrow, 1; Song Sparrow, 18. **Total,** 54 species; about 82,208 individuals.—Peter J. Van Huizen, Darryl L. Agee (compiler).

377. **Texarkana, Ark.–Tex.** (same as last year).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 39° to 54°; wind 5-10 m.p.h. Five observers in 1 party. Total hours, 40 (36 on foot, 4 by car); total miles, 67 (48 on foot, 19 by car). Great Blue Heron, 13; Canada Goose, 1; Mallard, 98; Black Duck, 2; Pintail, 3; Wood Duck, 3; Turkey Vulture, 22; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7 (including 1 Krider's); Harlan's Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 8; Killdeer, 18; Wilson's Snipe, 34; Semipalmated Sandpiper, 47; Sanderling, 12 (both species of shorebird studied for 15-20 min. at 50-75 yds. with binoculars) [no further details—Ed.]; Mourning Dove, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 11; Blue Jay, 18; Am. Crow, 54; Carolina Chickadee, 19; Tufted Titmouse, 2; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 7; Brown Thrasher, 10; Am. Robin, 9; Eastern Bluebird, 14; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 23; Common Starling, 323; Myrtle Warbler, 28; House Sparrow, 5; Eastern Meadowlark, 53; Red-winged Blackbird, 374; Purple Grackle, 665; Brown-headed Cowbird, 207; Cardinal, 49; Am. Goldfinch, 6; Eastern Towhee, 2; Slate-colored Junco, 14; White-crowned Sparrow, 9; White-throated Sparrow, 12; Fox Sparrow, 11; Song Sparrow, 5. **Total,** 51 species (1 additional subspecies); 2248 individuals.—Charles Gardner (compiler), Jack Logan, Lynn Rice, Don Kyle, John Logan.

378. **Sabine National Wildlife Refuge, La.** (an area 15 miles in diameter, extending north to patches of woods southwest of Hackberry, east to southeastern shore of Calcasieu Lake, south to jetties of Calcasieu River, and including prominently the town of Cameron, eastern sections of the Sabine Refuge, most of the lower half of Calcasieu Lake, the eastern side of Mud Lake, and stretches of Gulf beach on either side of the jetties).—Jan. 2; 12:30 a.m. to 9:30 p.m. Cloudy with thick fog after 3 p.m. that seriously hampered observations; temp. 53° to 66°; wind SW, 4-12-0 m.p.h. Seventeen observers in 11 parties. Total party-hours, 110: in darkness, 12 (5 on foot, 7 in car); in daylight, 98 (84 on foot, 9½ in car, 4 in boat, ½ in plane). Total party-miles, 341:

in darkness, 52 (½ on foot, 51½ in car); in daylight, 289 (78 on foot, 102 in cars, 34 in boat, 75 in plane). Common Loon, 2; **Horned Grebe,** 4; **Eared Grebe,** 1 (2nd State record; specimen collected following day); Pied-billed Grebe, 9; White Pelican, 104; Brown Pelican, 90; Double-crested Cormorant, 27; Olivaceous Cormorant, 2; **Water-turkey,** 1 (V.L.C.); Great Blue Heron, 70; Am. Egret, 65; Snowy Egret, 88; Louisiana Heron, 24; Little Blue Heron, 7; Black-crowned Night Heron, 25; Yellow-crowned Night Heron, 1; Am. Bittern, 2; Least Bittern, 1; **White-faced Ibis,** 1259; White Ibis, 22; Canada Goose, 105; White-fronted Goose, 16; Snow Goose, 4271; Blue Goose, 12,992; Mallard, 1045; Black and Mottled Ducks, 17 (5 Black and 6 Mottled Ducks identified); Gadwall, 5520; Am. Widgeon, 1572; Pintail, 3652; Green-winged Teal, 2400; Blue-winged Teal, 6; Shoveller, 1018; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 52; Greater Scaup, 1; Lesser Scaup, 61; (unidentified scaup, 3056); Buffle-head, 2; scoter (sp.?), 23; Ruddy Duck, 13; Hooded Merganser, 7; Red-breasted Merganser, 3; Turkey Vulture, 8; Black Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 21; Red-shouldered Hawk, 2; Marsh Hawk, 79; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 41; Bob-white, 20; **King Rail,** 100; **Clapper Rail,** 26; Sora, 16; Florida Gallinule, 14; Am. Coot, 22; Piping Plover, 1; Snowy Plover, 4; Ringed Plover, 3; Killdeer, 475; Black-bellied Plover, 205; Ruddy Turnstone, 36; Am. Woodcock, 2; Wilson's Snipe, 149; Willet, 9; **Greater Yellow-legs,** 73; **Lesser Yellow-legs,** 54; Least Sandpiper, 134; Red-backed Sandpiper, 270; Dowitcher (including Eastern and Long-billed), 304; Semipalmated Sandpiper, 3; Western Sandpiper, 57; Sanderling, 49; Am. Avocet, 68; Herring Gull, 103; Ring-billed Gull, 359; Laughing Gull, 195; Bonaparte's Gull, 8; **Black-legged Kittiwake,** 1 (imm., identified independently by 2 parties—R.W.K.–R.B.M. and C.S.R.–M.E.; collected following day by J.G.; aside from Audubon's indefinite record for the Florida Keys and a January specimen from the vicinity of Havana, Cuba, this is the only record for the Kittiwake from any state, territory, or republic bordering the Gulf of Mexico); Gull-billed Tern, 14; Forster's Tern, 95; **Common Tern,** 17; Royal Tern, 228; Caspian Tern, 6; Black Skimmer, 154; Mourning Dove, 27; Ground Dove, 1; Barn Owl, 14; Screech Owl, 3; Horned Owl, 1; Burrowing Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 28; Yellow-shafted Flicker, 34; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 11; Blue Jay, 54; Fish Crow, 12; Carolina Chickadee, 4; Brown Creeper, 6; House Wren, 22; Winter Wren, 3; Carolina Wren, 4; **Long-billed Marsh Wren,** 45; **Short-billed Marsh Wren,** 57; Mockingbird, 46; **Catbird,** 1; Brown Thrasher, 36; Am. Robin, 181; Hermit Thrush, 6; Blue-gray Gnatcatcher, 49; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 114; Water Pipit, 741; Sprague's Pipit, 4; Cedar Waxwing, 20; Loggerhead Shrike, 72; Common Starling, 1144; Solitary Vireo, 6; Orange-crowned Warbler, 17; **Yellow Warbler,** 2; Myrtle Warbler, 33; Black-throated Gray Warbler, 2 (this species and Yellow Warbler observed by R.W.K.; each species also observed in same place by other observers in late Nov.); Palm Warbler, 5; Common Yellow-throat, 63; **Black-capped Warbler,** 5; House Sparrow, 60; Eastern Meadowlark, 190; Western Meadowlark, 9; Red-winged Blackbird, 3101; Boat-tailed Grackle, 827; Purple Grackle, 3; Brown-headed Cowbird, 6; Cardinal, 84; Am. Goldfinch, 5; Eastern Towhee, 3; Spotted Towhee, 1; Savannah Sparrow, 284; **Grasshopper Sparrow,** 1; Leconte's Sparrow, 1; Sharp-tailed Sparrow, 25; **Seaside Sparrow,** 190; Vesper Sparrow, 1; **Field Sparrow,** 2; White-crowned Sparrow, 1; White-throated Sparrow, 22; Lincoln's Sparrow, 1; Swamp Sparrow, 74; Song Sparrow, 71. **Total,** 153 species; 48,828 individuals. (Seen previous day: Virginia Rail, 1; junco (sp.?), 1; Fox Sparrow, 1; seen following day: Bullock's Oriole, 2.)—Fred J. Buchmann, Vandiver L. Childs, P. A. Daigre, Marshall Eyster, John Gee, Michael Hatfield, Horace H. Jeter, Robert W. Krebs, George H. Lowery, Jr. (compiler), Robert B. Moore, Robert J. Newman, Joe Perroux, Chandler S. Robbins, Royston R. Rudolph, Stephen M. Russell, Herbert Stern, Howard Williamson.

379. St. Francisville, La. (same area as in 1945). —Dec. 26; 3:30 a.m. to 7 p.m. Clear, except for overcast in p.m.; temp. 27° to 60°; wind SW, 0-4 m.p.h. Thirteen observers in 6 parties. Total party-hours, 79½: in darkness, 4½ (3 on foot, 1½ in cars); in daylight, 75 (58 on foot, 17 in cars). Total party-miles, 205: in darkness, 27 (4 on foot, 23 in cars); in daylight, 178 (51 on foot, 127 in cars). **Common Loon,** 3; Horned Grebe, 24; Pied-billed Grebe, 29; White Pelican, 4; Double-crested Cormorant, 144; Great Blue Heron, 19; **Am. Egret,** 11; **Canada Goose,** 30; Mallard, 24; Gadwall, 89; **Am. Widgeon,** 150; **Pintail,** 307; **Green-winged Teal,** 8; Wood Duck, 15; **Redhead,** 60; **Ring-necked Duck,** 179; Canvas-back, 426; Lesser Scaup, 630; Am. Golden-eye, 1; Buffle-head, 19; Ruddy Duck, 1469; Turkey Vulture, 30; Black Vulture, 168; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; **Red-tailed Hawk,** 29; Red-shouldered Hawk, 18; Bald Eagle, 1; **Marsh Hawk,** 10; **Peregrine Falcon,** 1; Pigeon Hawk, 1; Sparrow Hawk, 41; **King Rail,** 3; **Sora,** 6; Am. Coot, 505; Killdeer, 313; Wilson's Snipe, 23; **Spotted Sandpiper,** 7; Least Sandpiper, 2; Herring Gull, 7; **Ring-billed Gull,** 157; Forster's Tern, 5; Mourning Dove, 21; Screech Owl, 1; Barred Owl, 12; Belted Kingfisher, 33; Yellow-shafted Flicker, 111; Pileated Woodpecker, 6; Red-bellied Woodpecker, 68; **Red-headed Woodpecker,** 68; **Yellow-bellied Sapsucker,** 53; **Hairy Woodpecker,** 12; Downy Woodpecker, 47; Eastern Phoebe, 59; **Rough-winged Swallow,** 112; **Blue Jay,** 199; Am. Crow, 232; Fish Crow, 10; Carolina Chickadee, 165; Tufted Titmouse, 90; Brown-headed Nuthatch, 4; Brown Creeper, 8; House Wren, 15; **Winter Wren,** 34; Bewick's Wren, 2; **Carolina Wren,** 143; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, 1; Mockingbird, 178; Catbird, 1; **Brown Thrasher,** 106; Am. Robin, 666; Hermit

Thrush, 5; Eastern Bluebird, 107; Blue-gray Gnatcatcher, 11; Golden-crowned Kinglet, 81; Ruby-crowned Kinglet, 273; Water Pipit, 357; Cedar Waxwing, 40; Loggerhead Shrike, 81; Common Starling, 1190; White-eyed Vireo, 1; Solitary Vireo, 3; **Orange-crowned Warbler,** 47; Myrtle Warbler, 443; Pine Warbler, 8; Palm Warbler, 5; **Common Yellow-throat,** 21; Black-capped Warbler, 1; House Sparrow, 228; Eastern Meadowlark, 122; Red-winged Blackbird, 2043; Rusty Blackbird, 194; **Brewer's Blackbird,** 152; **Boat-tailed Grackle,** 1 (♀; J.G.); Purple Grackle, 1429; **Brown-headed Cowbird,** 432; Cardinal, 233; Purple Finch, 6; Am. Goldfinch, 76; Eastern Towhee, 103; Savannah Sparrow, 117; Leconte's Sparrow, 1; Vesper Sparrow, 3; Slate-colored Junco, 18; Chipping Sparrow, 18; Field Sparrow, 17; **White-crowned Sparrow,** 3; White-throated Sparrow, 907; Fox Sparrow, 14; Lincoln's Sparrow, 1; **Swamp Sparrow,** 367; Song Sparrow, 35. **Total,** 113 species; 16,629 individuals.—Fred J. Buchmann, Marshall Eyster, Mr. and Mrs. Clifford Garvin, John Gee, Mr. and Mrs. Robert W. Krebs, George H. Lowery, Jr., William Mattox, Mr. and Mrs. Robert B. Moore, Robert J. Newman (compiler), Howard Williamson.

380. Shreveport, La. (same area as last year; open fields and pastures 20%, brushy fields and edges 35%, deciduous woods 30%, pine woods 8%, wooded lake 1%, open lake and ponds 6%).—Dec. 26; 2:15 a.m. to 5:40 p.m. Mostly clear; temp. 27° to 60°; wind SE, 0-7 m.p.h.; ground damp. Five observers, 4 in 2 parties in a.m., 4 in 3 parties in p.m. Total party-hours, 31 (19 on foot, 10 by car, 2 in motorboat); total party-miles, 194 (25 on foot, 159 by car, 10 by boat). Horned Grebe, 3; Pied-billed Grebe, 18; Double-crested Cormorant, 15; Great Blue Heron, 17; Mallard, 25; Ring-necked Duck, 2; Canvas-back, 250±; Lesser Scaup, 1; Ruddy Duck, 57; Turkey Vulture, 16; Black Vulture, 22; Sharp-shinned Hawk, 1; Red-tailed Hawk, 9; Harlan's Hawk, 1; Red-shouldered Hawk, 5; Marsh Hawk, 6; Sparrow Hawk, 12; Bob-white, 19; Am. Coot, 25; Killdeer, 56; Wilson's Snipe, 3; Least Sandpiper, 14; Herring Gull, 3; Ring-billed Gull, 118; **Bonaparte's Gull,** 1 (1st winter record for area; allowed close approach in boat but flew with ease); Mourning Dove, 16; Horned Owl, 4; Barred Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 51; **Red-shafted Flicker,** 1 (typical ♂; "staked out" since Oct.); Pileated Woodpecker, 5; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 5; Downy Woodpecker, 16; Red-cockaded Woodpecker, 2; Eastern Phoebe, 2; Blue Jay, 68; Am. Crow, 142; Carolina Chickadee, 70; Tufted Titmouse, 39; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 7; Brown Creeper, 6; Winter Wren, 8; Carolina Wren, 45; Mockingbird, 37; Brown Thrasher, 11; Am. Robin, 146; Hermit Thrush, 12; Eastern Bluebird, 57; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 20; Water Pipit, 38; Sprague's Pipit, 2; Cedar Waxwing, 14; Loggerhead Shrike, 20; Common Starling, 3500±; Orange-crowned Warbler, 2; Myrtle Warbler, 97; Pine Warbler, 21; House Sparrow, 28; Eastern Meadowlark, 52; Western Meadowlark, 4; Red-winged Blackbird, 1000±; Rusty Blackbird, 9; Purple Grackle, 1000±; Brown-headed Cowbird, 57; Cardinal, 149; Purple Finch, 1; Am. Goldfinch, 29; Eastern Towhee, 8; Spotted Towhee, 1; Savannah Sparrow, 72; Slate-colored Junco, 54; Chipping Sparrow, 1; Field Sparrow, 29; **Harris's Sparrow,** 6; White-crowned Sparrow, 2; White-throated Sparrow, 184; Fox Sparrow, 14; Swamp Sparrow, 3; Song Sparrow, 40; longspur (sp.?), 3. **Total,** 87 species; about 8002 individuals.—G. Dale Hamilton, Paul Hoge, Horace H. Jeter (compiler), L. C. Smallenberger, James R. Stewart, Jr.

381. Arrowwood National Wildlife Refuge, Kensal, N. Dak. (a 16,000-acre area approximately 2x16 miles along James River; river is dammed at 3 points, forming 4 lakes [3500 acres]; wooded area 1%, cultivated grain-crop land 10%, hay meadows 10%, grazing units 75%, unused land 4%).—Dec. 25; 10 a.m. to 5 p.m. Partly cloudy; temp. 28° to 37°; wind NW, 25-32 m.p.h.; 1-in. snow on ground; all water frozen. One observer. Total hours, 7 (3 on foot, 4 by car); total miles, 45 (3 on foot, 42 by car). Mallard, 27; Ferruginous Hawk, 1 (species usually gone by 1st week in Dec.; presence accounted for by open fall and mild Dec.) [no further details—Ed.]; Golden Eagle, 2; **Sharp-tailed Grouse,** 378; European Partridge, 28; Ring-necked Pheasant, 23; Horned Owl, 2; Short-eared Owl, 3; Downy Woodpecker, 14; Horned Lark, 9; Am. Magpie, 29; Am. Crow, 1; Am. Robin, 1; Common Starling, 14; House Sparrow, 40; Slate-colored Junco, 15; **White-throated Sparrow,** 4 (observed just outside a wooded area on a hay meadow); Snow Bunting, 700 (est.). **Total,** 17 species; 1291 individuals.—Nelius B. Nelson.

382. Bismarck, N. Dak. (same area as last year; deciduous bottomland 20%, mixed conifers and hardwoods at Experiment Station and tree nursery 30%, bottomland fields and meadows 20%, upland fields and prairies 10%, farmsteads and feed lots 5%, weed fields 10%, urban 5%).—Jan. 3; 8 a.m. to 5:30 p.m. Cloudy; temp. 15° to 27°; wind SSE to WNW, 17-4 m.p.h.; 1-in. snow on ground; all water frozen except small areas in current of river. Twelve observers in 3 parties. Total party-hours, 22 (15 on foot, 7 by car); total party-miles, 166 (15 on foot, 151 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 6; Marsh Hawk, 2; Prairie Falcon, 2 (Mr. and Mrs. E.H., P.K., C.F.S., R.N.R.); Sharp-tailed Grouse, 35; Ring-necked Pheasant, 280; Mourning Dove, 1; Horned Owl, 2; Yellow-shafted Flicker, 9; Hairy Woodpecker, 6; Downy Woodpecker, 11; Horned Lark, 77; Blue Jay, 15; Am. Magpie, 42; Black-capped Chickadee, 89; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 2; Am. Robin, 303; Townsend's Solitaire, 1 (B.S.); Golden-crowned Kinglet, 7; Bohemian Waxwing, 6; Cedar Waxwing, 59; Gray Shrike, 3; Common Starling, 431 (est.); House Sparrow, 1053 (est.); Evening

Grosbeak, 4 (D.B.V., D.C.D.); Purple Finch, 19; Common Redpoll, 242; Pine Siskin, 6; Am. Goldfinch, 131; Red Crossbill, 9; Slate-colored Junco, 23; Am. Tree Sparrow, 128; **Harris's Sparrow,** 3 (imm., observed at 15-30 ft. for 5 min. with 7x50 glasses; large size and black blotch on breast very apparent; individuals noted on several occasions in Dec. after good fall flight—Mr. and Mrs. E.H., R.N.R.); Lapland Longspur, 100 (est.). **Total,** 36 species; about 3120 individuals.—D. C. Dufphey, Mr. and Mrs. Edmund Hibbard, Paul Kline, H. C. McCreery, R. N. Randall (compiler), Thomas Rausch, C. F. Simmons, Betty Stephens, Mr. and Mrs. Al Thal, D. B. Vogtman (Bismarck Bird Club).

[R. L. Bagwell, J. W. Bischof, Donald Bischof, H. L. Bradley, E. G. Gahley, John Laschkewitsch, Donald Laschkewitsch, and C. W. Moses of the Bismarck Bird Club made a count in this same area on Dec. 27 and recorded about 1765 individuals of 30 species. They noted the following species that were not found on the above count: Mallard, 1; Golden Eagle, 1; European Partridge, 8.—Ed.]

383. Des Lacs National Wildlife Refuge, Kenmare, N. Dak. (same area as 1952, habitat percentages similar).—Dec. 26; 8:30 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 20° to 30°; wind NW to NE, 5-10 m.p.h.; trace of snow in a.m., heavy snowfall in p.m. Seven observers in 2-3 parties. Total party-hours, 20 (8 on foot, 12 by car and jeep); total party-miles, 177 (9 on foot, 168 by car and jeep). Mallard, 14; Rough-legged Hawk, 9; Golden Eagle, 1; Prairie Falcon, 1; Sharp-tailed Grouse, 9; European Partridge, 47; Ring-necked Pheasant, 1; Snowy Owl, 1; Short-eared Owl, 10; Downy Woodpecker, 2; Horned Lark, 301; Am. Magpie, 11; Black-capped Chickadee, 17; White-breasted Nuthatch, 1; Bohemian Waxwing, 2; Gray Shrike, 1; Common Starling, 129; House Sparrow, 529; Evening Grosbeak, 8; Common Redpoll, 5; Am. Goldfinch, 3; Am. Tree Sparrow, 8; Lapland Longspur, 613 (est.); **Snow Bunting,** 5000 (est.). **Total,** 24 species; about 6723 individuals.—George Bodmer, Roy Carlson, Kermit Dybsetter, Ann Gammell (compiler), Robert Gammell, Robert Gross, Howard Huenecke.

384. Fargo, N. Dak.-Moorhead, Minn. (as last year, 7½-mile radius centering on Red River 4½ miles north of Fargo, including Red River Valley from Lindenwood Park, Fargo, north to confluence of Red and Sheyenne rivers, and portions of both the Sheyenne River in N. Dak. and the Buffalo River in Minn.; flood-plain deciduous growth 25%, agricultural land 35%, Bur Oak-Aspen woods 11%, coniferous shelterbelt 14%, city parks 11%, city 4%).—Jan. 2; 7:40 a.m. to 5:10 p.m. Cloudy to clear; temp. 12° to 4°; wind N to NW, 6-12 m.p.h.; ground covered with 6-18-in. snow, with deeper drifts in sheltered places; only open water, short portions of Red River. Four observers in 1-3 parties. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 117 (12 on foot, 105 by car). Mallard, 3; Ring-necked Pheasant, 16; Snowy Owl, 1; Hairy Woodpecker, 7; Downy Woodpecker, 3; Black-capped Chickadee, 21; White-breasted Nuthatch, 8; Brown Creeper, 1; Common Starling, 251; House Sparrow, 354; Pine Grosbeak, 5; Common Redpoll, 5; Slate-colored Junco, 33. **Total,** 13 species; about 708 individuals. (Seen in area Dec. 31: Am. Robin [O. A. Stevens].)—J. Frank Cassel (compiler), John C. Challey (Zoology Dept., N. Dak. Agricultural College), and Ralph Sullerud, Arnold J. Peterson (Biology Dept., Concordia College, Moorhead).

385. Lower Souris National Wildlife Refuge, Upham, N. Dak. (Refuge headquarters to Upham, east across marsh to riverbottom between Dam I and Willow Creek; marsh 33%, meadow 33%, wooded riverbottom 34%).—Dec. 30; 8:45 a.m. to 4:45 p.m. Clear to partly cloudy; temp. 6° to 15°; calm until 10 a.m., NW wind rest of day, 15-18 m.p.h.; ground covered with 14-in. light snow; open water at Dam III and 1 small slough. Four observers in 1 party. Total hours, 7 (6 on foot, 1 by car); total miles, 42 (12 on foot, 30 by car). Mallard, 6; Rough-legged Hawk, 1; Sharp-tailed Grouse, 5; European Partridge, 34; Ring-necked Pheasant, 53; Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 10; Am. Magpie, 1; Black-capped Chickadee, 17; White-breasted Nuthatch, 7; Brown Creeper, 2; House Sparrow, 117; Red-winged Blackbird, 2; Evening Grosbeak, 3; Pine Grosbeak, 5; Common Redpoll, 16; Snow Bunting, 35. **Total,** 20 species; 321 individuals.—John R. Frye, Donald V. Gray (compiler), M. C. Hammond, J. J. Wilson.

386. Pembina Hills, N. Dak. (an area with Walhalla on north edge of 15-mile circle and Mountain on south edge; pasture 15%, plowed land 40%, deciduous timber and brush 40%, marsh and rivers 3%, towns 2%).—Dec. 27; 9 a.m. to 4:45 p.m. Partly cloudy, snow flurries; temp. 5° to 10°; wind NW, 10 m.p.h.; ground covered with 4-in. snow; all water frozen except an occasional spring. Two observers. Total hours, 7½ (4 by car, 3½ on foot); total miles, 35 (32 by car, 3 on foot). Goshawk, 2; Ruffed Grouse, 7; Sharp-tailed Grouse, 1; Horned Owl, 1; Snowy Owl, 1; Hairy Woodpecker, 2; Am. Magpie, 1; Black-capped Chickadee, 4; White-breasted Nuthatch, 3; Common Starling, 22; House Sparrow, 28; Evening Grosbeak, 5; Common Redpoll, 123; Snow Bunting, 90. **Total,** 14 species; about 290 individuals. (Seen in area Dec. 22: Golden Eagle, 2; Pine Grosbeak, 7; Blue Jay, 2.)—Edwin O. Bry, Jr. (compiler), James Schlenk.

387. Canton, S. Dak. (7-mile radius centering 4 miles west of Canton, including Canton and feeding station there, Sioux River, Newton Hills, and farm areas; open farmlands 55%, town and suburbs 20%, deciduous wooded areas 25%).—Jan. 2; 8 a.m. to 4 p.m. Clear to cloudy; temp. 10° to 30°; wind NW, 15-35 m.p.h.; ground covered with 4-in. crusted snow except for a few clear spots; all fresh water frozen except spots in Sioux River. Four observers in 1 party. Total hours, 8 (4 on foot, 4 by car);

total miles, 70 (1 on foot, 69 by car). Rough-legged Hawk, 3; European Partridge, 5; Ring-necked Pheasant, 21; Short-eared Owl, 1; Hairy Woodpecker, 7; Downy Woodpecker, 8; Horned Lark, 102; Blue Jay, 2; Am. Crow, 1; Black-capped Chickadee, 9; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 3; Common Starling, 23; House Sparrow, 35; Cardinal, 4; Slate-colored Junco, 13; Oregon Junco, 1 (W.B.M.); **White-throated Sparrow,** 1 (observed frequently at close range at feeding station, once on porch 6 ft. from observation window); Lapland Longspur, 100. **Total,** 20 species; 345 individuals. (Seen on lawn several times in late Dec.: Bronzed Grackle, 1.)—W. B. Mallory (compiler), Mary E. Mallory, H. F. Chapman, J. S. Findley.

388. Lacreek National Wildlife Refuge, Martin (Bennett Co.), S. Dak. (same area as previous years; marsh and reservoir 45%, meadow 45%, willow thickets 10%).—Dec. 26; 7:30 a.m. to 3:30 p.m. Clear at start, becoming partly overcast later in day; temp. 25° to 44°; wind SSW, 2-15 m.p.h.; ground bare except for traces of snow in shaded areas; pools frozen except few small open areas and channels below spillways. One observer. Total hours, 7 (3 on foot, 4 by car); total miles, 27 (2 on foot, 25 by car). Mallard, 15,247 (15,200 est., 47); **Shoveller,** 2 (observed at close range in open spillway below dam among Mallards and Golden-eyes; shape of bill and other characteristics readily discernible; present prior to and after Count); Am. Golden-eye, 72; Buffle-head, 2; Am. Merganser, 4; Rough-legged Hawk, 9; Bald Eagle, 1; Marsh Hawk, 4; Prairie Falcon, 1; Ring-necked Pheasant, 185 (150 est., 35); Horned Owl, 1; Snowy Owl, 1; Red-shafted Flicker, 2 (observed in good light at close range; deep salmon-red of wing linings readily discernible); Downy Woodpecker, 2; Horned Lark, 3; Am. Magpie, 3; Black-capped Chickadee, 3; Brown Creeper, 1; House Sparrow, 4; Western Meadowlark, 1 (observed almost daily throughout winter; recognized by infrequent calls and slightly paler coloration); Am. Goldfinch, 2; Am. Tree Sparrow, 143 (80 est., 63); Lapland Longspur, 27 (24 est., 3). **Total,** 23 species; about 15,720 individuals. (Seen in area during week: Canada Goose, 13; Golden Eagle, 1; Short-eared Owl, 1.)—Kenneth Krumm.

389. Madison, S. Dak. (7½-mile radius centering on Center and Egan Aves., and including Lake Madison, Long Lake, Lake Herman and several small sloughs; plowed fields 80%, pasture 10%, wild slough grass 5%, town suburb 5%).—Dec. 27; 8 a.m. to 5 p.m. Snow flurries, fog, clear; temp. 27° to 30°; wind NW, 10-15 m.p.h.; ground snow-covered; all lakes and sloughs frozen. Twenty-one observers in 12 parties. Total party-hours, 14 (3 on foot, 11 by car); total party-miles, 213 (6 on foot, 207 by car). Rough-legged Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 1; unidentified hawks, 4; European Partridge, 24; **Ring-necked Pheasant,** 1716; Yellow-shafted Flicker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 92; Blue Jay, 4; Am. Crow, 137; Black-capped Chickadee, 10; White-breasted Nuthatch, 5; Brown Creeper, 1; Am. Robin, 1; Common Starling, 62; House Sparrow, 280; Western Meadowlark, 31; Cardinal, 2; Am. Goldfinch, 2; Slate-colored Junco, 97; Am. Tree Sparrow, 29. **Total,** 22 species; 2517 individuals.—Mr. and Mrs. Wesley Beardsley, Dr. and Mrs. D. S. Baughman, Mr. and Mrs. L. A. Campbell, Mrs. Ethel Doblar, Gertrude Gill, Ruth Habeger (compiler), Jake Habeger, Patricia Hidenshield, May C. Hogan, Mrs. Agnes Holdridge, Dwayne Pecks, Mrs. Don Porter, George Regan, Jr., Dr. W. A. Rothschild, Burt Semple, Mr. and Mrs. Frank Waters, Kathleen Walsh.

390. Rapid City, S. Dak. (7½-mile radius centering on Dinosaur Park, and including Spring Creek bottoms, Skyline Drive, Canyon Lake, mouth of South Canyon, residential areas of Rapid City, and plains to the north; deciduous stream bottoms 30%, ponderosa pine forests 28%, open grassland 22%, reservoir 15%, town 5%).—Jan. 3; 6:50 a.m. to 4:45 p.m. (1 hour out). Clear; temp. 15° to 56°; wind WNW, max. 28 m.p.h., average 10.8 m.p.h.; ground bare and dry; only marginal ice on running streams and Canyon Lake. Two observers together. Total hours, 9 (6 on foot, 3 by car); total miles, 65 (3 on foot, 62 by car). Mallard, 2128 (counted); Gadwall, 1 (gray body and black tail seen at 20-30 ft., as bird fed with Wood Duck close to shore of Canyon Lake); Wood Duck, 1 (♂, seen closely); Redhead, 1; Canvas-back, 1; Am. Golden-eye, 26; Am. Merganser, 9; Rough-legged Hawk, 1; Golden Eagle, 1; Ring-necked Pheasant, 1; Belted Kingfisher, 1; Am. Magpie, 7; Black-capped Chickadee, 15; Am. Robin, 6; Townsend's Solitaire, 2 (species wintering in several areas in this section of Black Hills); House Sparrow, 15; Purple Finch, 1; Pine Siskin, 20; Am. Goldfinch, 4; **White-winged Junco,** 145; Slate-colored Junco, 2; Am. Tree Sparrow, 2. **Total,** 22 species; 2390 individuals. (Seen in area Dec. 26: Sharp-tailed Grouse, 20; Common Starling, 3; Western Meadowlark, 1 [Harry Behrens, N.R.W.].)—Mary S. Whitney, Nathaniel R. Whitney, Jr. (compiler).

391. Redfield, S. Dak. (7½-mile radius centering on south end of Main St., including James River northeast of Redfield and east shore of north Twin Lakes, country roads along cultivated land and prairie, and small lots of cottonwood trees; deciduous river banks 8%, lake 2%, plowland 70%, prairie 18%, cottonwood lots 2%).—Jan. 3; 9:45 a.m. to 5:15 p.m. Partly cloudy; temp. 12° to 28°; wind S, 25-30 m.p.h.; ground covered with 1-4-in. crusted snow; all fresh water frozen. One observer. Total hours, 7½ (2½ on foot, 5 by car); total miles, 41 (2 on foot, 39 by car). Rough-legged Hawk, 3; Ring-necked Pheasant, 265; Horned Owl, 2; Snowy Owl, 1; Hairy Woodpecker, 6; Downy Woodpecker, 15; Horned Lark, 7; Am. Crow, 4; Black-capped Chickadee, 24; White-breasted Nuthatch, 8; Brown Creeper, 1; Common Starling, 150 (est.); House Sparrow,

200 (est.); Western Meadowlark, 5 (some seen almost daily feeding on stacks of alfalfa and prairie hay stacked for cattle); Evening Grosbeak, 1; Slate-colored Junco, 12; Am. Tree Sparrow, 5; **Harris's Sparrow,** 5 (feeding on screenings from grain and ground corn scattered under observer's window; still present Mar. 11). **Total,** 18 species; about 714 individuals.—H. V. Padrnos (compiler).

392. Sand Lake National Wildlife Refuge, Columbia, S. Dak. (7½-mile radius centering at refuge building site #3 [Podoll residence], refuge periphery on west side from headquarters north to Hecla Grade, across to east side, south from Hecla on east side to Weismantel Grade, and north to refuge headquarters on the west; deciduous farm woodlots 10%, open prairie 15%, deciduous shelterbelts 50%, cattail-phragmites marsh 15%, livestock feed lot 10%).—Dec. 30; 8:15 a.m. to 4:45 p.m. Overcast, clearing at noon; temp. 6° to 30°; wind S, 3-7 m.p.h.; average snow depth 2 in.; all of Sand Lake frozen except for 3 open water holes in James River channel. Three observers in 1 party. Total hours, 8½ (5½ on foot, 3 by car); total miles, 28 (6 on foot, 22 by car). Mallard, 140; Rough-legged Hawk, 3; Marsh Hawk, 1; European Partridge, 9; Ring-necked Pheasant, 362; Mourning Dove, 1; Horned Owl, 3; Snowy Owl, 2; Saw-whet Owl, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 4; Horned Lark, 12; Black-capped Chickadee, 10; White-breasted Nuthatch, 1; Gray Shrike, 1; Common Starling, 3; House Sparrow, 568; Western Meadowlark, 3; Red-winged Blackbird, 9; Brewer's Blackbird, 3 (observed in a livestock feed lot; white eye and purplish head reflections noted); Common Redpoll, 45; Am. Goldfinch, 11; Slate-colored Junco, 2; Am. Tree Sparrow, 16; Lapland Longspur, 1. **Total,** 25 species; 1211 individuals.—Elmer Podoll, Jerry Podoll, Dale E. Sutherland (compiler).

393. Sioux Falls, S. Dak. (7½-mile radius centered on 9th St. and Phillips Ave., and including parks, Ditch Rd., Big Sioux River; deciduous wooded valley 75%, brushy ditch and adjacent highways 15%, town and parks 5%, farmland 5%).—Dec. 27; 9 a.m. to 4:30 p.m. Cloudy, snowsqualls to clearing; temp. 30° to 15°; wind NNW, 15 m.p.h.; all ground covered with 6-8-in. ice, packed and crusted snow except plowed roads and shoulders; all water frozen except few small holes in streams. Thirty-one observers in 14 parties. Total party-hours, 56½ (10 on foot, 46½ by car); total party-miles, 130 (12 on foot, 118 by car). Mallard, 5; Cooper's Hawk, 1; Rough-legged Hawk, 6; Greater Prairie Chicken, 1; European Partridge, 16; Ring-necked Pheasant, 387; Mourning Dove, 33; Horned Owl, 2; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 4; Hairy Woodpecker, 20; Downy Woodpecker, 20; Horned Lark, 82; Blue Jay, 34; Am. Crow, 58; Black-capped Chickadee, 244; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 6; Brown Creeper, 5; Carolina Wren, 1; Am. Robin, 3; Common Starling, 137; House Sparrow, 1618; Western Meadowlark, 53; Purple Grackle, 3; Cardinal, 24; Am. Goldfinch, 2; Slate-colored Junco, 47; Am. Tree Sparrow, 1; Harris's Sparrow, 7; Lapland Longspur, 70. **Total,** 31 species; 2919 individuals.—Mr. and Mrs. J. S. Findley, Iver Eide, Mr. and Mrs. Miles E. Peck, Ann Mundelein, Josephine Frasier, Mrs. Bertha Cox, Mrs. Mark G. Wilson, Mark G. Wilson (compiler), David G. Wilson, Mr. and Mrs. Homer E. Thurston, Mrs. Gretchen Hills, Mrs. Ines Borrey, Mrs. Ethel Moore, Mr. and Mrs. H. F. Chapman, Doris McKichan, Mr. and Mrs. Charles Rogge, Janet Rogge, Dr. Howard C. Abbott, George L. Goebel, Bill Goebel, Mr. and Mrs. Melvin Wheeler, Steven Sugrue, Ronald Vosacek, Charles Stringham, Aaron Schaefer (Sioux Falls Bird Club).

394. Springfield, S. Dak. (about town, prairie west of town, riverbottom, bluffs; mostly trees, shrubs, weed patches).—Dec. 31; 8 a.m. to 4:15 p.m. Clear; temp. 26° to 35°; wind W, 6 m.p.h.; ground covered with 10-in. snow; streams frozen except for places in Missouri River. Fourteen observers in 3 parties. Total party-hours, 8¼ [no breakdown—Ed.]; total party-miles, 14 (6 on foot, 8 by car). Canada Goose, 25; Rough-legged Hawk, 4; Ring-necked Pheasant, 8; Mourning Dove, 2; Yellow-shafted Flicker, 18; Hairy Woodpecker, 16; Downy Woodpecker, 20; Blue Jay, 8; Am. Crow, 12; Black-capped Chickadee, 160; White-breasted Nuthatch, 24; Brown Creeper, 1; Am. Robin, 14; Eastern Bluebird, 6; Common Starling, 4; House Sparrow, 80; Cardinal, 16; Common Redpoll, 6; Am. Goldfinch, 12; Slate-colored Junco, 40; Am. Tree Sparrow, 30; Harris's Sparrow, 5. **Total,** 22 species; 511 individuals.—M. E. Burgi, W. W. Ludeman, and 12 Boy Scouts.

395. Wall Lake, S. Dak. (7½-mile radius centered on Highway 16 and Wall Lake Rd.; lake 20%, groves, sloughs, and small streams 20%, brushy roadside 60%).—Dec. 26; 9 a.m. to 4:30 p.m. Clear; temp. 30° to 25°; wind S, 5 m.p.h.; ground covered with 6-8-in. ice, packed and crusted snow except roads and road shoulders; all water frozen except few riffles in small streams. Three observers in 1 party. Total hours, 7½ (1 on foot, 6½ by car); total miles, 45 (3 on foot, 42 by car). Rough-legged Hawk, 2; Ring-necked Pheasant, 293; Yellow-shafted Flicker, 4; Downy Woodpecker, 2; Horned Lark, 7; Blue Jay, 2; Am. Crow, 2; Black-capped Chickadee, 3; Brown Creeper, 2; Common Starling, 8; House Sparrow, 24; Western Meadowlark, 25 (along roads cleared by snowplows); Slate-colored Junco, 29; Lapland Longspur, 98. **Total,** 14 species; 501 individuals. Lack of Am. Tree Sparrows surprising.—H. F. Chapman, Bill Goebel, J. S. Findley (compiler).

396. Waubay National Wildlife Refuge, Waubay, S. Dak. (area of 5000 acres containing approximately 35% lakes, potholes, and marshes, 25% timber and woodlots, and 40% prairie, grazing land, plowland, and hay fields).—Jan. 3; 8 a.m. to 5 p.m. Temp. 28° to 35°; no wind; ground covered with 4-in. crusted snow; all lakes frozen, only open water at Big Springs. One observer. Total hours, 8 (on

foot); total miles, 11 (on foot). Canada Goose, 110; Mallard, 135; Black Duck, 2; Pintail, 1; European Partridge, 6; Ring-necked Pheasant, 1; Horned Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Black-capped Chickadee, 20; Bohemian Waxwing, 1; House Sparrow, 3; **Hoary Redpoll,** 35 (observed with Common Redpolls in cedars and spruces at refuge headquarters; identified by white unstreaked rump and somewhat smaller size); Common Redpoll, 200; Slate-colored Junco, 3; Snow Bunting, 65. **Total,** 16 species; 587 individuals.—Lloyd H. Mangus.

397. Yankton, S. Dak. (7½-mile radius centering at old golf course, including some acres in Nebraska; suburban areas 5%, deciduous woods and brush lots 40%, cattail marsh 5%, stream banks 30%, open fields and farm lots 20%).—Dec. 25; 10 a.m. to 5 p.m. Fair; temp. 38° to 44°; wind SW, 15-20 m.p.h.; ground covered with 0-10-in. snow; James River and Mud Creek frozen, Missouri River and Rhine Creek open. Two observers together. Total hours, 7 (4 on foot, 3 by car); total miles, 39 (3¾ on foot, 35¼ by car). Mallard, 6; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 4; Ring-necked Pheasant, 65; Mourning Dove, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 8; Blue Jay, 2; Am. Crow, 64; Black-capped Chickadee, 10; Brown Creeper, 1; Am. Robin, 88; Common Starling, 235; House Sparrow, 59; Western Meadowlark, 26; Cardinal, 4; Am. Goldfinch, 3; Slate-colored Junco, 28; Harris's Sparrow, 17; **Song Sparrow,** 8 (observed at 50 ft. at edge of small protected slough; streaked breast with central breast spot noted, as well as characteristic pumping of long tail in flight). **Total,** 22 species; 643 individuals. (Seen in area Dec. 26: Belted Kingfisher, 1; Dec. 27: Purple Grackle, 3; Dec. 28: Am. Tree Sparrow, 11; Jan. 1: Bald Eagle, 1.)—Mr. and Mrs. Willis Hall.

398. Beatrice, Nebr. (same as las year).—Dec. 27; 7:30 a.m. to 4 p.m. Clear to partly cloudy; temp. 25° to 43°; wind N, 7-35 m.p.h.; ground mostly dry, all water frozen. Five observers in 3 parties. Total party-hours, 37 (6 on foot, 31 by car); total party-miles, 96 (14 on foot, 82 by car). Red-tailed Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 2; Barred Owl, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 3; Horned Lark, 27; Am. Crow, 275; Black-capped Chickadee, 80; White-breasted Nuthatch, 4; Brown Creeper, 2; Am. Robin, 1; Common Starling, 5; House Sparrow, 308; Eastern Meadowlark, 9 (singing); Cardinal, 25; Am. Goldfinch, 12; Slate-colored Junco, 113; Am. Tree Sparrow, 92; Harris's Sparrow, 138; Song Sparrow, 7. **Total,** 23 species; 1122 individuals.—Mr. and Mrs. John Ramming, Mrs. Paul Baier, Mary Sturmer, Vera Anderson (compiler).

399. Blue Springs, Nebr. (north of Standpipe 3½ miles, west 2 miles, south 2 miles; town 15%, deciduous woodland along Big Blue River 50%, roadside 20%, cedar grove 15%).—Dec. 31; 8:45 a.m. to 4:30 p.m. Clear; temp. 28° to 45°; wind S, about 7 m.p.h.; ground 90% free of snow. Four observers in 2 parties. Total party-hours, 26¼: 10 mi. = 1 hour. Red-tailed Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Mourning Dove, 8; Horned Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 10; Blue Jay, 2; Am. Crow, 15; Black-capped Chickadee, 38; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown Creeper, 3; Am. Robin, 2; Golden-crowned Kinglet, 3; Cedar Waxwing, 4; Common Starling, 10; House Sparrow, 175; Cardinal, 20; Am. Goldfinch, 12; Slate-colored Junco, 32; Am. Tree Sparrow, 22; Harris's Sparrow, 23; Song Sparrow, 2. **Total,** 29 species; 408 individuals.—Grace Rice, Mrs. M. S. Connett, A. L. Wondra, Mrs. F. J. Patton (compiler).

400. Crete, Nebr. (same as 1948 and subsequent years).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 32° to 50°; wind SW, 0-10 m.p.h.; no snow on ground; all ponds frozen, Big Blue River open. Two observers in 1 party. Total hours, 9 (5 on foot, 4 by car); total miles, 50 (10 on foot, 40 by car). Pintail, 1; Red-tailed Hawk, 2 (including 1 Krider's); Marsh Hawk, 1; Sparrow Hawk, 3; Red-bellied Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 56; Am. Crow, 26; Black-capped Chickadee, 15; Loggerhead Shrike, 1; Common Starling, 25; House Sparrow, 79; Cardinal, 1; Am. Goldfinch, 3; Slate-colored Junco, 15; Am. Tree Sparrow, 143; Harris's Sparrow, 44. **Total,** 17 species (1 additional subspecies); 418 individuals. This is the smallest number of species seen in the 7 years a count has been taken in this area.—J. L. C. Rapp, W. F. Rapp, Jr. (compiler).

401. Grand Island, Nebr. (center of town to point 6 miles east, Kuester Lake and Central Power Plant areas, 8 miles south of Grand Island, including cemetery, Wood River in the Schimmer's Lake area; deciduous area 40%; pine and deciduous area 5%, open fields and hedgerows 55%).—Dec. 26; 9 a.m. to 5 p.m. Clear; temp. 24° to 45°; wind SW, 0-1 m.p.h. in a.m., 1-7 m.p.h. in p.m.; ground bare; all fresh water frozen, thawing slightly in p.m. Three observers in one party. Total hours, 8 (6 on foot, 2 by car); total miles, 66 (10 on foot, 56 by car). Mallard, 13; Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 5; Pigeon Hawk, 1 (seen in open country; small hawk with long pointed wings, broad bands on tail; rapid wing action—Mrs. G.H., V.E.G.); Sparrow Hawk, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 5; Horned Lark, 170; Am. Magpie, 1; Am. Crow, 19; Black-capped Chickadee, 36; Brown Creeper, 7; Am. Robin, 5; Golden-crowned Kinglet, 5; Common Starling, 116; House Sparrow, 84; Western Meadowlark, 4; Cardinal, 2; Pine Siskin, 1; Am. Goldfinch, 41; Slate-colored Junco, 23; Oregon Junco, 1 (F.U.); Am. Tree Sparrow, 49; Song Sparrow, 1. **Total,** 27

species (1 additional subspecies); 597 individuals. (Seen in area Dec. 27–Jan. 3: Red-shafted Flicker, 1; Hairy Woodpecker, 1; Red-breasted Nuthatch, 1; Townsend's Solitaire, 1 [seen in cemetery evergreens; Cardinal-sized gray bird with white eye-ring, and white outer tail feathers—Mrs. G.H., V.E.G.]; Purple Grackle, 1.)—Mrs. George Houster, Verneil E. Griffin (compiler), Floyd Urbach.

402. Halsey (Thomas Co.), Nebr. (area in Nebraska National Forest, same as last year).—Dec. 25; 9 a.m. to 5 p.m. Clear; temp. 20° to 42°; wind W, 5-7 m.p.h.; 4-in. snow on ground. One observer. Total hours, 8 (on foot); total miles, 8 (on foot). Mallard, 1; Am. Merganser, 9; Rough-legged Hawk, 1; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 7; Horned Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Am. Magpie, 6; Am. Crow, 15; Black-capped Chickadee, 15; Red-breasted Nuthatch, 2; Townsend's Solitaire, 6; Golden-crowned Kinglet, 21; Pine Siskin, 180; Am. Goldfinch, 7; Slate-colored Junco, 24; Am. Tree Sparrow, 44; Song Sparrow, 1. **Total,** 20 species; 344 individuals.—Carl E. Smith.

403. Hastings, Nebr. (area same as last year; Crystal Lake area and woodlands along Little Blue River, adjoining fields, parks, and Parkview Cemetery).—Dec. 31; 8:30 a.m. to 5 p.m. Clear; temp. 15° to 53°; wind SW, 10-17 m.p.h.; ground bare. Ten observers in 4 parties. Total party-hours, 27 (7 on foot, 20 by car); total party-miles, 102 (12 on foot, 90 by car). Mallard, 3; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 13; Ring-necked Pheasant, 11; Horned Owl, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 200 (est.); Blue Jay, 3; Am. Magpie, 1; Am. Crow, 10; Black-capped Chickadee, 105; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 1; Common Starling, 800 (est.); House Sparrow, 100; Western Meadowlark, 120; Red-winged Blackbird, 11; Cardinal, 5; Pine Siskin, 1; Am. Goldfinch, 10; Vesper Sparrow, 2 [no details—Ed.]; Slate-colored Junco, 135; Oregon Junco, 2; Am. Tree Sparrow, 200 (est.); Harris's Sparrow, 20; Song Sparrow, 12. **Total,** 35 species; 1815 individuals.—Mrs. A. M. Brooking, Mrs. Joe Davis, W. F. Eigsti, Burton Nelson, Mrs. E. R. Maunder, Vera Maunder, Mrs. C. E. Ruch, Mrs. A. E. Olson, Mrs. A. M. Jones (compiler) (Brooking Bird Club), Mrs. R. R. Damerell.

404. Lincoln (city parks), Nebr. (same area as last year).—Jan. 1; 8 a.m. to 5 p.m. Clear to partly cloudy; temp. 26° to 57°; wind S, 3-14 m.p.h.; no snow; creeks partly frozen. Ten observers in 2 parties. Total party-hours, 15 (13 on foot, 2 by car); total party-miles, 40 (12 on foot, 28 by car). Mallard, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Horned Owl, 4; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 17; Blue Jay, 21; Am. Crow, 110; Black-capped Chickadee, 47; Tufted Titmouse, 4; White-breasted Nuthatch, 5; Brown Creeper, 5; Winter Wren, 1; Am. Robin, 10; Golden-crowned Kinglet, 17; Common Starling, 140; House Sparrow, 653; Purple Grackle, 1; Cardinal, 59; Pine Siskin, 11; Am. Goldfinch, 117; Slate-colored Junco, 398; Oregon Junco, 5; Am. Tree Sparrow, 54; Harris's Sparrow, 12; Song Sparrow, 11. **Total,** 34 species; 1743 individuals. (A flock of approximately 100 geese observed flying south—probably Canada Geese.)—Oscar Alexis, Mrs. W. A. Fleming, Mrs. W. P. Irwin, Louis M. Moos (compiler), Richard Moos, C. G. Pritchard, George Schildman, Mr. and Mrs. Harold Whitmus, Richard Whitmus (Audubon Naturalists' Club and University Place Bird Club).

405. Lincoln (rural), Nebr. (same as in previous years, plus lake area on North 27th and wooded area on Stevens Creek from Havelock St. road bridge south to Rock Island bridge).—Jan. 1; 7:30 a.m. to 5:40 p.m. Clear to partly cloudy; temp. 26° to 57°; wind S, 3-14 m.p.h.; no snow; creeks partly frozen; lakes frozen. Nine observers in 2 parties. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 32 (7 on foot, 25 by car). Red-tailed Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 3; Mourning Dove, 20; Horned Owl, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 21; Horned Lark, 1; Blue Jay, 2; Am. Crow, 16; Black-capped Chickadee, 44; Tufted Titmouse, 17; White-breasted Nuthatch, 10; Brown Creeper, 3; Am. Robin, 1; Golden-crowned Kinglet, 5; Common Starling, 46; House Sparrow, 37; meadowlark (sp.), 10; Red-winged Blackbird, 22; Brewer's Blackbird, 75 (observed as close as 30 ft. with telescope and 7x50 glasses by observers familiar with species—D.B., H.E.B.); Cowbird, 1; Cardinal, 15; Pine Siskin, 1; Am. Goldfinch, 21; Red Crossbill, 4; Slate-colored Junco, 39; Am. Tree Sparrow, 116; Harris's Sparrow, 19; Song Sparrow, 3. **Total,** 32 species; 576 individuals.—Dorothy Baumgarten, Henry E. Baumgarten, Howard P. Doole, Adrian C. Fox (compiler), Mary Louise Hanson, Larry O'Brien, Jr., George A. Spidel, Grace A. Spidel, Donald Williams.

406. Omaha, Nebr. (area and habitat coverage the same as last year).—Dec. 26; 8:20 a.m. to 4 p.m. Clear; temp. 26° to 45°; wind NW, 0-10 m.p.h.; no snow on ground; creeks partially open but Missouri River mostly frozen. Eleven observers in 3 parties. Total party-hours, 15 (10 on foot, 5 by car); total party-miles, 19 (12 on foot, 7 by car). Mallard, 3450±; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 45; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 13; Hairy Woodpecker, 14; Downy Woodpecker, 41; Horned Lark, 1; Blue Jay, 25; Am. Crow, 14; Black-capped Chickadee, 114; Tufted Titmouse, 11; White-breasted Nuthatch, 51; Red-

breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 2; Am. Robin, 26; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 4; Common Starling, 384; House Sparrow, 72; Rusty Blackbird, 90; Cardinal, 31; Purple Finch, 14; Pine Siskin, 2; Am. Goldfinch, 41; Slate-colored Junco, 202; Oregon Junco, 1; Am. Tree Sparrow, 208; Harris's Sparrow, 2; Song Sparrow, 15. **Total,** 37 species; about 4912 individuals.—Donald Cook, R. G. Cortellyou, L. O. Horsky, Dr. and Mrs. R. Allyn Moser, Jane Allyn Moser, Hazen Smith, Jerry Smith, Tom Troyer, Pere Weil, Joe Armstrong (compiler).

407. Scottsbluff, Nebr. (Riverside Park, Riverview Golf Course to river, east to cemetery, northeast to Lake Minatare, south to hilly country; pasture 25%, lake country 10%, deciduous growth along river 45%, hilly country 15%, town 5%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Clear; temp. 24° to 36°; wind NNW, calm to 17 m.p.h.; ground and small streams frozen; snow in ditches and on protected sides of hills. Five observers in 3 parties. Total party-hours, 16 (7 on foot, 9 by car); total party-miles, 74 (9 on foot, 65 by car). Mallard, 25; Am. Merganser, 12; Rough-legged Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 2; Ring-necked Pheasant, 2; Killdeer, 2; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-shafted Flicker, 23; Hairy Woodpecker, 3; Downy Woodpecker, 10; Horned Lark, 18; Blue Jay, 1; Am. Magpie, 44; Black-capped Chickadee, 37; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 2; Am. Robin, 130; Townsend's Solitaire, 4; Cedar Waxwing, 12; Common Starling, 500 (est.); House Sparrow, 325; Western Meadowlark, 25; House Finch, 6 (M.A.W., Mrs. R. J. W.); Am. Goldfinch, 12; Slate-colored Junco, 36; Oregon Junco, 51; Am. Tree Sparrow, 284; White-crowned Sparrow, 3. **Total,** 32 species; about 1584 individuals.—Mary Ann Wake (compiler), Mrs. J. W. Brashear, Mrs. M. A. J. Olson, Neil Reynolds, Mrs. Roy J. Witschy.

408. Valentine National Wildlife Refuge, Valentine, Nebr. (5½-mile radius centering on School Lake, Valentine Refuge; headquarters on Hackberry Lake to east end of refuge via Dewey and Willow lakes, entire west side of Marsh Lakes, Pony Lake area, west along Calf Camp Marsh, north side of Pelican Lake, Duck Lake, and return to headquarters; range land 85%, marsh and water 13%, willow brush 1%, deciduous woodlots 1%).—Dec. 30; 8 a.m. to 5:30 p.m. Clear; temp. 24° to 40°; wind SW, 10 m.p.h.; ground bare; lakes almost completely frozen, patches of open water on Marsh Lakes. Two observers in 1 party. Total party-hours, 9½ (2 on foot, 7½ by car); total party-miles, 43 (3 on foot, 40 by car). Am. Golden-eye, 3; Rough-legged Hawk, 14; Golden Eagle, 2; Marsh Hawk, 1; Greater Prairie Chicken, 3; Sharp-tailed Grouse, 279; Bob-white, 15; Ring-necked Pheasant, 47; Screech Owl, 1; Horned Owl, 5; Short-eared Owl, 1; Red-shafted Flicker, 1; Downy Woodpecker, 2; Horned Lark, 1; Am. Magpie, 4; Black-capped Chickadee, 3; House Sparrow, 30; Western Meadowlark, 1; Red-winged Blackbird, 20; Slate-colored Junco, 2; Oregon Junco, 5; Am. Tree Sparrow, 970. **Total,** 22 species; 1410 individuals.—George L. Wiseman (compiler), Howard D. Woon, Jr.

409. Baldwin, Kans. (7½-mile radius centering 2 miles north of junction of U.S. Highways 50 and 59, including Lone Star and Baldwin lakes, Vinland cemetery region, and adjacent farmland and wooded areas; open farmland 30%, town and suburbs 15%, wooded creeks 35%, cedar grove 15%, lake shore 5%).—Dec. 26; 7:15 a.m. to 5:15 p.m. Clear; temp. 28° to 40°; wind calm; ground covered with 8-in. crusted snow, with drifts up to 6 or 8 ft.; lakes mostly frozen. Ten observers in 3 parties and 1 at feeding station. Total party-hours, 22 (11 on foot, 11 by car); total party-miles, 136 (11 on foot, 125 by car). Mallard, 11; Am. Merganser, 1; Red-tailed Hawk, 23; **Harlan's Hawk,** 5; Marsh Hawk, 5; Sparrow Hawk, 7; Bob-white, 16; Mourning Dove, 2; Screech Owl, 1; Horned Owl, 2; Barred Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 21; Red-shafted Flicker, 3; **Red-bellied Woodpecker,** 34; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 15; Horned Lark, 24; Blue Jay, 58; Am. Crow, 96; Black-capped Chickadee, 87; Tufted Titmouse, 42; White-breasted Nuthatch, 3; Brown Creeper, 1; **Carolina Wren,** 33; Mockingbird, 6; Am. Robin, 30; **Eastern Bluebird,** 64; Golden-crowned Kinglet, 6; Cedar Waxwing, 110; Loggerhead Shrike, 10; Common Starling, 160; House Sparrow, 450; meadowlark (sp.), 69; **Brown-headed Cowbird,** 1; Cardinal, 106; Purple Finch, 2; Am. Goldfinch, 42; Spotted Towhee, 2; **Vesper Sparrow,** 3; Slate-colored Junco, 214; **Oregon Junco,** 1; Am. Tree Sparrow, 88; Field Sparrow, 1; Harris's Sparrow, 39; White-crowned Sparrow, 20; **Fox Sparrow,** 1; **Swamp Sparrow,** 4; Song Sparrow, 27. **Total,** 52 species; 1965 individuals. (Seen in area during Count period: Lapland Longspur, 550.)—Clara Beach, Amelia J. Betts, Arthur Bridwell, Mr. and Mrs. I. L. Boyd, Katharine Kelley, Mrs. Geo. Marquardt, Mrs. Francis McKaughan, James Miller, R. F. Miller, Grace Preston (Baldwin Bird Club).

410. Goddard, Kans. (area south of town, from State Highway 42 west to Lake Afton and north to Goddard; plowed fields 45%, stubble 15%, grassland 10%, woodland 20%, scrub 10%).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 26° to 42°; wind N, 10-35 m.p.h.; lake mostly frozen. One observer. Total hours, 9½ (9 on foot, ½ by car); total miles, 27 (11 on foot, 16 by car). Red-tailed Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 1; Bob-white, 1; Ring-billed Gull, 1; Barn Owl, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 340; Am. Crow, 44; Black-capped Chickadee, 12; Tufted Titmouse, 1; Carolina Wren, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 2; Common Starling, 118; House Sparrow, 81; Eastern and Western Meadowlark, 54 (songs of both species heard); Red-winged Blackbird, 38; Cardinal, 15;

Pine Siskin, 61; Am. Goldfinch, 19; Vesper Sparrow, 4; Slate-colored Junco, 43; Oregon Junco, 1; Am. Tree Sparrow, 227; Field Sparrow, 1; Harris's Sparrow, 49; Swamp Sparrow, 2; Song Sparrow, 45; Lapland Longspur, 702. **Total,** 34 species; 1886 individuals.—Edward Beals.

411. Halstead, Kans. (7½-mile radius centered 1 mile west of Halstead and including portions of Emma and Kissawa creeks and Little Arkansas River, plus corner of Harvey Co. Park; wooded creeks and river 53%, hedgerows 12%, open farmland and meadow 28%, weedy slough 5%, town and cemetery 2%).—Dec. 27; 8:10 a.m. to 5:40 p.m. Clear; ground frozen, no snow; temp. 27° to 46°; wind N until 9 a.m., 3-5 m.p.h., thereafter 25 m.p.h.; ground open and muddy after 10 a.m.; creeks and river partly iced. Seven observers in 3 parties. Total party-hours, 24 (14½ on foot, 9½ by car); total party-miles, 103½ (7 on foot, 96½ by car). Mallard, 4; Red-tailed Hawk, 14; Rough-legged Hawk, 6; Marsh Hawk, 12; **Prairie Falcon,** 1 (seen chiefly from below, light underside and two blackish blobs very noticeable); falcon (sp.), 1; Sparrow Hawk, 2; buteo (sp.), 9; Bob-white, 2; Ring-necked Pheasant, 1; Mourning Dove, 3; Horned Owl, 1; Yellow-shafted Flicker, 5; Red-shafted Flicker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 15; Horned Lark, 582; Blue Jay, 3; Am. Crow, 310; Black-capped Chickadee, 72; Tufted Titmouse, 26; Brown Creeper, 10; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 2; Golden-crowned Kinglet, 10; Loggerhead Shrike, 3; Common Starling, 591; House Sparrow, 178; meadowlark (sp.), 126; Western Meadowlark, 2; Red-winged Blackbird, 1114; Brewer's Blackbird, 15; Purple Grackle, 4; Brown-headed Cowbird, 1; Cardinal, 61; Pine Siskin, 1; Am. Goldfinch, 100; Spotted Towhee, 7; Slate-colored Junco, 129; Oregon Junco, 3; Am. Tree Sparrow, 944; **Harris's Sparrow,** 625; Song Sparrow, 21. **Total,** 42 species; about 5031 individuals. (Seen in area during Count dates, Dec. 25: Field Sparrow, 1; Dec. 28: Townsend's Solitaire, 1; Dec. 31: albino Tree Sparrow, 1; Jan. 1: Pigeon Hawk, 1 (pursuing Horned Larks on an open field; blue sheen and typical falcon wing; dark dribbles down the light breast also observed); Lapland Longspur, 1.)—Jo Challans, Marie Dettweiler, Ruth Rose, Alma Ruth, Edna Ruth (compiler), Mr. and Mrs. W. C. Stein.

412. Hays (Ellis Co.), Kans. (college campus, wooded creek [Big Creek], farmland—cultivated and prairie, cedar bluffs along wooded Saline River, limestone cliffs, and wooded stream).—Dec. 29; 7:30 a.m. to 12 m., 1 to 5 p.m. Temp. 30° to 40°; wind N, 20 m.p.h. Thirteen observers in 1 party. Total hours, 8½ (6½ on foot, 2 by car); total miles, 46 (10 on foot, 36 by car). Red-tailed Hawk, 1; Ferruginous Hawk, 1; Golden Eagle, 1; Bald Eagle, 4; Marsh Hawk, 4; Prairie Falcon, 2; Sparrow Hawk, 1; Bob-white, 15; Ring-necked Pheasant, 24; Horned Owl, 5; Yellow-shafted Flicker, 2; Red-shafted Flicker, 3; Hairy Woodpecker, 2; Horned Lark, 86; Am. Crow, 15; Black-capped Chickadee, 31; Am. Robin, 2; Townsend's Solitaire, 1; Common Starling, 7; House Sparrow, 110; Western Meadowlark, 25; Slate-colored Junco, 57; Oregon Junco (Pink-sided), 1 (observed closely for over 10 min.); Am. Tree Sparrow, 56; Field Sparrow, 1 (size, pink bill, plain underparts, and reddish crown all noted); Harris's Sparrow, 8; White-crowned Sparrow, 1; Song Sparrow, 9. **Total,** 28 species; 475 individuals.—Joe Binder, Mark Dreiling, Harold Elder, Don Finney, Philip Lin, Ed Martin, Thomas Olson, Al M. Schenk, Alan Schenk, Guido Smith, Gerry Tomanek, L. D. Wooster, Kilian Zerr.

413. Lawrence, Kans. (same area as past years).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 28° to 46°; wind NW, 1-5 m.p.h.; ground 50% covered with 2-4 in. patches snow; ponds and creeks frozen, river 50% open. Thirteen observers in 6 parties. Total party-hours, 45 (25 on foot, 20 by car); total party-miles, 214 (34 on foot, 180 by car). Canada Goose, 8; Mallard, 33; Lesser Scaup, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 48; Harlan's Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 12; Sparrow Hawk, 30; Bob-white, 46; Killdeer, 1; Wilson's Snipe, 2; Mourning Dove, 32; Barn Owl, 1; Horned Owl, 11; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 67; Red-bellied Woodpecker, 54; Red-headed Woodpecker, 11; Hairy Woodpecker, 25; Downy Woodpecker, 119; Horned Lark, 241; Blue Jay, 155; Am. Crow, 341; Black-capped Chickadee, 242; Tufted Titmouse, 74; nuthatch (sp.), 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 61; Am. Robin, 73; Eastern Bluebird, 77; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 1; Water Pipit, 1; Cedar Waxwing, 30; Loggerhead Shrike, 15; Common Starling, 500 (230 est., 270); House Sparrow, 990 (800 est., 190); Eastern Meadowlark, 3 (1 identified by call note—H.B.T.; 2 other Easterns and 6 Westerns identified with 9x glasses in sunlight at 20-25 ft.—R.W.F.); Western Meadowlark, 6; meadowlark (sp.), 220; Brown-headed Cowbird, 2; Cardinal, 237; Pine Siskin, 44; Am. Goldfinch, 210; Red Crossbill, 8; Eastern Towhee, 3; Spotted Towhee, 14; Slate-colored Junco, 438; Am. Tree Sparrow, 732 (300 est., 432); Field Sparrow, 3; Harris's Sparrow, 60; White-crowned Sparrow, 23; White-throated Sparrow, 1; Song Sparrow, 116; Lapland Longspur, 45. **Total,** 59 species; about 5506 individuals.—James W. Bee, Bert S. Chewning (compiler), Helen M. Chewning, James S. Findley, Dr. Henry S. Fitch, Richard W. Fredrickson, Lenore French, Mrs. E. R. Hall, Carol L. and Ethel M. Martin, Mrs. John H. Nelson, Dr. Harrison B. Tordoff, Mrs. Mabel Willis.

414. Linn County, Kans. (same as last year; deciduous woodlands and along streams 80%, open fields and fence rows 14%, suburban 6%).—Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. 32° to 49°; wind SW, 10-15 m.p.h.; ponds and small streams frozen, ground frozen, drifted snow in timber. Ten observers in 6 parties. Total party-hours, 30½ (20½

on foot, 10 by car); total party-miles, 71½ (11½ on foot, 60 by car). Cooper's Hawk, 1; Red-tailed Hawk, 40 (including 2 Krider's); Harlan's Hawk, 1; Red-shouldered Hawk, 5; Rough-legged Hawk, 9; Marsh Hawk, 19; Sparrow Hawk, 2; Bob-white, 19; Mourning Dove, 25; Barn Owl, 1; Screech Owl, 2; Horned Owl, 13; Hawk Owl, 1 (observed in good light at 50 yds. with 7x50 glasses in top of fairly large tree; distinctive face markings plainly visible —R.W.W.) [no Plains records listed south of N. Dak. by Bent, 1938—Ed.]; Barred Owl, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 15; Red-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 44; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 14; Horned Lark, 105; Blue Jay, 55; Am. Crow, 63; Black-capped Chickadee, 66; Tufted Titmouse, 39; White-breasted Nuthatch, 4; Carolina Wren, 16; Mockingbird, 1; Am. Robin, 9; Eastern Bluebird, 60; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 5 (R.W.W.); Cedar Waxwing, 10; Loggerhead Shrike, 7; Common Starling, 113; House Sparrow, 241; meadowlark (sp.), 92; Red-winged Blackbird, 214; Brown-headed Cowbird, 2; Cardinal, 164; Am. Goldfinch, 56; Lark Sparrow, 3 (seen regularly in same place where species was present in summer in fairly large numbers; rounded white fringe of tail noted as birds flushed from roadside directly in front of car; disappeared shortly after Count date—R.W.W.) [no other Count records inland north of Texas—Ed.]; Slate-colored Junco, 139; Oregon Junco, 2; Am. Tree Sparrow, 131; Field Sparrow, 1; Harris's Sparrow, 119; White-crowned Sparrow, 41; Fox Sparrow, 13; Lincoln's Sparrow, 7; Song Sparrow, 14. **Total,** 53 species (1 additional subspecies); 2047 individuals. (Due to extended drought in this region there were no water birds.)—Wilson Dingus, Eunice Dingus (compiler), Frank Woods, Mary Alice Woods, Robert W. Weese, C. O. Smith, Lester Casteel, Zelma Casteel, J. O. Dingus, M. Ellen Dingus (Linn County Audubon Society).

415. Manhattan, Kans. (7½-mile radius centered at Kansas State College campus; open fields and pasture 50%, wooded ravines and creeks 30%, shores and hills along Blue and Kansas rivers 10%, roadsides 10%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 26° to 44°; wind SW, 2-4 m.p.h.; ground frozen and partly covered with snow; streams and rivers almost completely frozen. Ten observers in 3 parties. Total party-hours, 17 (13 on foot, 4 by car); total party-miles, 55 (18 on foot, 37 by car). Mallard, 30; Cooper's Hawk, 2; Red-tailed Hawk, 2 (1 Eastern, 1 Krider's); Harlan's Hawk, 2; Rough-legged Hawk, 6; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 15; Wilson's Snipe, 2; Mourning Dove, 4; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Red-shafted Flicker, 3; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 11; Horned Lark, 41; Blue Jay, 15; Am. Crow, 60; Black-capped Chickadee, 90; Tufted Titmouse, 27; Brown Creeper, 5; Carolina Wren, 5; Am. Robin, 40; Golden-crowned Kinglet, 3; Common Starling, 70; House Sparrow, 150 (est.); Eastern Meadowlark, 3 (singing); meadowlark (sp.), 137; Brewer's Blackbird, 1; Cardinal, 90; Pine Siskin, 17; Am. Goldfinch, 32; Spotted Towhee, 3; Slate-colored Junco, 200 (est.); Oregon Junco, 2; Am. Tree Sparrow, 500 (est.); Field Sparrow, 2; Harris's Sparrow, 110; Song Sparrow, 65. **Total,** 40 species (1 additional subspecies); about 1783 individuals. (Seen in area Dec. 27: Winter Wren, 1; Eastern Bluebird, 3.)—E. K. and James Beals, H. T. and Donald Gier, Keith Hooper, Charles Langford, Ellis R. Lippincott, Robert Moorman, Scott Searles (compiler), James Taylor.

416. Olathe, Kans. (7½-mile radius centering at junction of U.S. Highway 50 and Kansas Highway 7, including Olathe Lake and Reservoir and Gardner Lake; wooded creeks and wasteland 75%, open fields and fencerows 20%, lake shore 5%).—Jan. 1; 7:45 a.m. to 5 p.m. Clear; temp. 36° to 51°; wind S, 5-10 m.p.h.; creeks and lakes frozen; patches of snow in fields and 2-ft. drifts on leeward side of windbreaks. Thirteen observers in 2 parties. Total party-hours, 15½ (12¾ on foot, 2¾ by car); total party-miles, 61 (12 on foot, 49 by car). Cooper's Hawk, 2; Red-tailed Hawk, 16; Harlan's Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 4; Wilson's Snipe, 1; Mourning Dove, 3; Horned Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 31; Horned Lark, 121; Blue Jay, 31; Am. Crow, 57; Black-capped Chickadee, 95; Tufted Titmouse, 22; Winter Wren, 3; Carolina Wren, 10; Am. Robin, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 4; Cedar Waxwing, 12; Loggerhead Shrike, 3; Common Starling, 392; House Sparrow, 443; meadowlark (sp.), 32; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 121; Am. Goldfinch, 38; Slate-colored Junco, 78; Am. Tree Sparrow, 225; Harris's Sparrow, 20; White-crowned Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 36; Lapland Longspur, 1500 (±250). **Total,** 42 species; about 3354 individuals.—Clarence Abell, Amelia Betts, Mr. and Mrs. Ivan L. Boyd, Jim Clark, Jack Crane, Claude Kean, Katharine Kelley, Marno McKaughan, R. F. Miller, George Oliver, Virgil Oliver, Ray Wackly.

417. Topeka, Kans. (7½-mile radius centering on State House, including Gage and Central parks, Rochester and Mt. Hope cemeteries, Washburn Campus, City Airport, Security Benefit Grounds, Shunganunga and Deer creeks, Lake Shawnee; farmlands 50%, mixed woodlots 30%, blue stem pasture 10%, lake shore 10%).—Dec. 27; 8 a.m. to 5 p.m. Clear to overcast last hour; temp. 24° to 45°; wind variable, 2-17 m.p.h.; ground covered with 2-in. snow, melting; water frozen except small portion of Lake Shawnee. Thirty-two observers in 7 parties. Total party-hours, 52 (10 on foot, 42 by car); total party-miles, 90 (15 on foot, 75 by car). Canada Goose, 1; Mallard, 3000 (est.); Black Duck, 2; Pintail, 1; Hooded Merganser, 5; Am. Merganser, 150; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6 (including 2 Western); Rough-legged

Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 6; Greater Prairie Chicken, 36; Bob-white, 20; Ring-necked Pheasant, 3; Am. Coot, 5; Mourning Dove, 12; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 11; Horned Lark, 23 (including 3 Northern); Blue Jay, 10; Am. Crow, 60; Black-capped Chickadee, 12; Tufted Titmouse, 8; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 5; Am. Robin, 12; Eastern Bluebird, 7; Golden-crowned Kinglet, 5; Cedar Waxwing, 42; Loggerhead Shrike, 3; Common Starling, 270; House Sparrow, 98; Eastern Meadowlark, 14; Western Meadowlark, 6 (each meadowlark flock checked for song, call notes, size, and coloring); Brown-headed Cowbird, 28; Cardinal, 71; Pine Siskin, 25; Am. Goldfinch, 29; Spotted Towhee, 4; Slate-colored Junco, 43; Oregon Junco, 2; Am. Tree Sparrow, 119; Field Sparrow, 3; Harris's Sparrow, 32; White-throated Sparrow, 1; Fox Sparrow, 1; Lincoln's Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 11. Western Red-tailed Hawks and Northern Horned Larks are not too unusual here; they were thoroughly checked by competent observers. **Total,** 58 species (2 additional subspecies); about 4244 individuals. (Seen in area during Count period: Herring Gull, 1; Long-eared Owl, 2; Belted Kingfisher, 1; Red Crossbill, 12; White-crowned Sparrow, 1.)—Mrs. Howard Athon, Gladys A. Bennett, Mr. and Mrs. Henry S. Blake, L. B. Carson (compiler), De-Etta Clark, Jess Eddy, Dean Fisher, Elizabeth Fisher, Roberta Foote, Charles L. Franklin, Charles H. Hogue, Mr. and Mrs. Carl Holmes, David and Denene Holmes, Judge and Mrs. Walter Huxman, Mrs. Charles H. Martin, Pearl Maus, Florence McKinney, Mrs. Nyle Miller, David Miller, T. W. Nelson, David Pantle, Orville O. Rice, Marvin E. Rolfe, Margaret J. Thompson, Mr. and Mrs. L. G. Thorpe, Harold C. Williams, Muriel Young (Topeka Audubon Society).

418. Wichita, Kans. (same area since 1945: lake 10%, deciduous woodlots 55%, slough and marshland 5%, open fields and brushland 30%).—Dec. 27; 6:45 a.m. to 5:15 p.m. Clear to partly cloudy; temp. 26° to 43°; wind calm to NW, 18-24 m.p.h.; lake and creeks partially frozen, river open; ground soft with traces of snow in protected areas. Two observers in 1 party. Total party-hours, 10½ (8½ on foot, 2 by car); total party-miles, 74 (14 on foot, 60 by car). Mallard, 1800 (est.); Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 6; Sparrow Hawk, 1; Bob-white, 1; Horned Owl, 3; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 9; Hairy Woodpecker, 3; Downy Woodpecker, 36; Horned Lark, 300 (est.); Blue Jay, 6; Am. Crow, 94; Black-capped Chickadee, 116; Tufted Titmouse, 27; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 12; Am. Robin, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 47; Cedar Waxwing, 4; Loggerhead Shrike, 2; Common Starling, 76; House Sparrow, 29; Eastern and Western Meadowlark, 17; blackbird (sp.), 70 (est.); Cardinal, 77; Am. Goldfinch, 39; Slate-colored Junco, 57; Oregon Junco, 1; Am. Tree Sparrow, 165; Harris's Sparrow, 46; Song Sparrow, 13; Lapland Longspur, 160. **Total,** 37 species; about 3240 individuals.—Ray Loren Keller, Harry L. Hobson.

419. Arbuckle Mountains (Murray Co.), Okla. (4-mile radius, centering on entrance to Cowpen Canyon, and including Cowpen Canyon, another unnamed canyon, surrounding hillsides, and road to and from Price's Falls area; canyon bottoms 20%, open hillsides with scattered juniper 60%, juniper and oak forest 20%).—Dec. 29; 8:30 a.m. to 3 p.m. Clear; temp. 40° to 55°; slight wind, 0-5 m.p.h.; ground dry; ice on standing pools and along small tributaries. Four observers in 1 party. Total hours, 6½ (5 on foot, 1½ by car); total party-miles, 7 (4 on foot, 3 by car). Turkey Vulture, 10; Black Vulture, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Mourning Dove, 1; Road-runner, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 6; Eastern Phoebe, 1; Blue Jay, 20±; Am. Crow, 50±; Carolina Chickadee, 15; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 3; Bewick's Wren, 10; Carolina Wren, 5; Am. Robin, 50; Hermit Thrush, 1; Eastern Bluebird, 4; Townsend's Solitaire, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 50±; Loggerhead Shrike, 1; Common Starling, 20±; Myrtle Warbler, 2; meadowlark (sp.), 10; Cardinal, 20; Eastern Towhee, 1; Spotted Towhee, 4; Rufous-crowned Sparrow, 15; Slate-colored Junco, 20±; Oregon Junco, 6 (including 5 Pink-sided); junco (sp.), 50±; Field Sparrow, 50±; Harris's Sparrow, 10; White-throated Sparrow, 4; Song Sparrow, 10. **Total,** 42 species (1 additional subspecies); about 498 individuals. (One Pink-sided Junco and 1 Townsend's Solitaire collected.)—Jean W. Graber, Richard R. Graber, John C. Johnson, Jr. (compiler), George M. Sutton (Dept. of Zoology, Univ. of Oklahoma).

420. Broken Bow, Okla. (15,200-acre McCurtain County State Game Preserve 37 miles north of Broken Bow; virgin oak and pine forest 95%, river and creek bottoms 5%. Drought conditions have caused a scarcity of food for birds).—Dec. 27; 8 a.m. to 5:30 p.m. Clear; temp. 42° to 48°; no wind. Two observers in 1 party. Total party-hours, 8½ (6 on foot, 2½ by car); total party-miles, 42 (3 on foot, 39 by car). Turkey Vulture, 2; Black Vulture, 4; Sharp-shinned Hawk, 1; Golden Eagle, 1; Bald Eagle, 1; Sparrow Hawk, 2; Bob-white, 20; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 3; Red-cockaded Woodpecker, 1; Eastern Phoebe, 1; Blue Jay, 2; Am. Crow, 6; Carolina Chickadee, 3; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 5; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 1; Rock Wren, 1 (among rocks in river when stream was low, but retreated to nearest creek when river was high; last seen Feb. 4); Am. Robin,

1; Hermit Thrush, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Myrtle Warbler, 25; Pine Warbler, 20; Eastern Meadowlark, 4 (singing); Cardinal, 1; Am. Goldfinch, 10; Slate-colored Junco, 100; Harris's Sparrow, 1; White-crowned Sparrow, 1. **Total,** 39 species; 248 individuals.—Tom Jessee, Cepha Jessee (compiler) (Tulsa Audubon Society).

421. Fort Gibson Reservoir (Muskogee Co.), Okla. (10-mile circle comprising lower half of reservoir area from State Highway 51 south to Fort Gibson and Arkansas River, and east from U.S. Highway 69 to east shore of reservoir and Grand River; open lake 30%, river below dam 15%, deciduous woods bordering lake and river 30%, roadside pastures and cultivated fields 25%).—Jan. 3; 6:30 a.m. to 5:30 p.m. Fair; temp. 26° to 58°; wind S, 0-10 m.p.h. Two observers in 1 party. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 42 (5 on foot, 37 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 1 (carefully identified); Great Blue Heron, 10; Mallard, 5165 (5000 est., 165); Green-winged Teal, 4; Am. Golden-eye, 6; Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 7; Harlan's Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 1; Bob-white, 8; Killdeer, 4; Herring Gull, 5; Ring-billed Gull, 162; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 28; Pileated Woodpecker, 1; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 16; Horned Lark, 85; Blue Jay, 33; Am. Crow, 78; Carolina Chickadee, 33; Tufted Titmouse, 28; White-breasted Nuthatch, 9; Brown Creeper, 7; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 18; Mockingbird, 2; Am. Robin, 438 (400 est., 38); Eastern Bluebird, 65; Cedar Waxwing, 85; Loggerhead Shrike, 6; Common Starling, 8; House Sparrow, 110; Eastern Meadowlark, 56; Cardinal, 58; Am. Goldfinch, 88; Slate-colored Junco, 116; Am. Tree Sparrow, 41; Field Sparrow, 28; Harris's Sparrow, 15; White-crowned Sparrow, 2; White-throated Sparrow, 30; Song Sparrow, 22. **Total,** 52 species; about 6926 individuals.—Mr. and Mrs. James L. Norman.

422. Hinton, Okla. (erosion canyons and adjacent uplands [6 square miles]; maple-cottonwood canyon bottomland, cedar slopes, upland farmland and pastured cedar-Blackjack Oak scrub).—Jan. 3; 9 a.m. to 5 p.m. Clear; temp. 31° to 58°; wind SW, 10 m.p.h.; ground bare. Thirteen observers in 3 parties. Total party-hours, 14 (12½ on foot, 1½ by car); total party-miles, 25 (10 on foot, 15 by car). Red-tailed Hawk, 3 (1 probably Krider's—R.J., G.R., L.W.); Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 4; Mourning Dove, 11; Horned Owl, 1; Barred Owl, 1; unidentified owl, 2; Yellow-shafted Flicker, 9; Red-shafted Flicker, 2; unidentified flicker, 4; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 20; Am. Crow, 81; Carolina Chickadee, 29; Tufted Titmouse, 19; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 12; **Cañon Wren,** 1 (L.W., H.H.); Am. Robin, 12; Eastern Bluebird, 14; **Mountain Bluebird,** 37 (identification confirmed on Jan. 5 by Sutton and Graber); Golden-crowned Kinglet, 25; Cedar Waxwing, 24; **Gray Shrike,** 1 (G.R., E.S.—bird later collected by G. Sutton and R. Graber); Loggerhead Shrike, 4; Common Starling, 32; Myrtle Warbler, 26; House Sparrow, 25±; Western Meadowlark, 20; unidentified meadowlark, 37; Red-winged Blackbird, 5; Cardinal 21; Purple Finch, 8; Pine Siskin, 7; Am. Goldfinch, 12; Spotted Towhee, 2; Slate-colored Junco and unidentified juncos, 80±; Oregon Junco, 4 (Oregon, 1—J.J.; Pink-sided, 3—R.J., G.R.); Am. Tree Sparrow, 15±; Field Sparrow, 24; Harris's Sparrow, 18±; White-crowned Sparrow, 40 (including Eastern, 25; probable Gambel's, 3—G.R.); Song Sparrow, 3; unidentified longspur, 5. **Total,** 46 species (3 additional subspecies); about 729 individuals.—S. Crook, R. Frank, H. Hays, D. Higbee, R. Jenkins, J. C. Johnson, R. Leonard, G. Rebell (compiler), E. Stanley, R. Updegraff, A. Watson, L. Whitaker, R. Whitaker (Cleveland County Bird Club).

423. Locust Grove, Okla. (1-mile radius centering on Davis ranch house, 12 miles south of Locust Grove; upland deciduous forest 40%, open pasture land 40%, shrubby fields 10%, spring-fed bottomland 10%).—Dec. 29; 9 a.m. to 7 p.m. Clear; temp. 35° to 55°; wind SSE, 10-15 m.p.h. Two observers in 1 party. Total hours, 7 (on foot); total miles, 5 (on foot). Black Vuture, 1; Mourning Dove, 50; Yellow-shafted Flicker, 16; Pileated Woodpecker, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 21; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 58; Am. Crow, 17; Carolina Chickadee, 23; Tufted Titmouse, 18; White-breasted Nuthatch, 5; Brown Creeper, 1; Bewick's Wren, 1; Carolina Wren, 10; Hermit Thrush, 1; Eastern Bluebird, 24; Golden-crowned Kinglet, 2; Cedar Waxwing, 5; Pine Warbler, 1; Eastern Meadowlark, 105; Western Meadowlark, 2 (singing); Cardinal, 29; Am. Goldfinch, 25; Eastern Towhee, 5; Spotted Towhee, 3; Slate-colored Junco, 428; Harris's Sparrow, 11; White-throated Sparrow, 14; Song Sparrow, 11. **Total,** 32 species; 905 individuals.—Lea Davis (compiler), Mame K. Ginter.

424. Norman, Okla. (7½-mile radius centering in Section 26, 3½ miles east of Highway 77 and ½ mile north of Highway 9; Blackjack Oak-hickory association 35%, elm-cottonwood-pecan bottomland 6%, cultivated farmland 30%, sandy floodplain 4%, open prairie range 25%, scattered farm ponds and small lakes. Coverage of open prairie country poor).—Jan. 2; 6:30 a.m. to 6 p.m. Clear; temp. 35° to 58°; wind SSW to NNW, 35 m.p.h.; no snow; thin ice on ponds, other water open. Nineteen observers in 4 parties. Total party-hours, 36½ (19 on foot, 17½ by car); total party-miles, 76 (19 on foot, 57 by car). Unidentified teal, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; unidentified accipiter, 1; Red-tailed

Hawk, 12 (3 melanistic or Harlan's); Rough-legged Hawk, 5; unidentified buteo, 1; Marsh Hawk, 22; Sparrow Hawk, 7; unidentified hawk, 1; Bob-white, 39±; Killdeer, 6; Wilson's Snipe, 4; Least Sandpiper, 2 (ident. marks including leg color noted—G.R., S.C.); Mourning Dove, 34; Screech Owl, 1; Horned Owl, 3; Barred Owl, 1; Long-eared Owl, 1 (1 dead); Belted Kingfisher, 2; Yellow-shafted Flicker, 26; Red-shafted Flicker, 3; Yellow-shafted and Red-shafted Flicker hybrid, 3; unidentified flickers, 17; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 14; Hairy Woodpecker, 7; Downy Woodpecker, 17; unidentified woodpecker, 1; Horned Lark, 4; Blue Jay, 122; Am. Crow, 170; Carolina Chickadee, 145-; Tufted Titmouse, 36; White-breasted Nuthatch, 3; Brown Creeper, 7; Winter Wren, 2; Bewick's Wren, 5; Carolina Wren, 17; Mockingbird, 1; Brown Thrasher, 5; Am. Robin, 61; Eastern Bluebird, 26; unidentified bluebirds, 7; Golden-crowned Kinglet, 16; Cedar Waxwing, 313±; Loggerhead Shrike, 7; Common Starling, 129; Myrtle Warbler, 15; House Sparrow, 103; Western Meadowlark, 115 (identification based on song and call notes, in flocks under observation all winter); unidentified meadowlarks, 201±; Red-winged Blackbird, 1395±; Brewer's Blackbird, 1; Brown-headed Cowbird, 44±; blackbird (probably Red-winged), 212; unidentified blackbirds, 105; Cardinal, 116±; Pine Siskin, 4; Am. Goldfinch, 239-; Eastern Towhee, 2; Spotted Towhee, 76; Savannah Sparrow, 30; sparrow (probably Savannah), 5; Vesper Sparrow, 1; Slate-colored and unidentified juncos, 221; Oregon Junco (Pink-sided), 14 (B.J., L.W., R.U.); Am. Tree Sparrow, 210±; Chipping Sparrow, 5; Field Sparrow, 44; Harris's Sparrow, 430±; White-crowned Sparrow, 43± (including 15 Eastern); White-throated Sparrow, 27; Fox Sparrow, 32; Lincoln's Sparrow, 4; Song Sparrow, 138; unidentified sparrows, 80±; Lapland Longspur, 9; unidentified longspurs, 36. **Total,** 68 species (1 additional hybrid); about 5281 individuals. Fresh tracks of Road-runner seen.—H. Brown, L. Brown, H. P. Clemens, H. Cooksey, M. Crook, N. Crook, S. Crook, R. Frank, R. Jenkins, R. C. Johnson, R. Leonard, C. G. Milnes, E. Penfound, G. Rebell (compiler), L. Schmieck, R. Updegraff, A. Watson, J. Wiens, L. Whitaker (Cleveland County Bird Club).

425. Oklahoma City, Okla. (same areas as in past years; Canadian River and bottomland, Lakes Hefner and Overholser, Lincoln Park, Standard Oil camp, roadsides, plus Blackjack Oak woodlots east of city; lakes and ponds 35%, deciduous oak woodlots 50%, parks and residential areas 5%, roadsides and open fields 10%).—Dec. 29; 7 a.m. to 5:45 p.m. Clear and bright; temp. 25° to 52°; wind S to SW, 10-25 m.p.h.; all fresh water open except most small ponds. Nine observers in 4 parties. Total party-hours, 40 (25 on foot, 15 by car); total party-miles, 223 (13 on foot, 210 by car); Great Blue Heron, 5; Mallard, 6000 (est.); Gadwall, 13; Pintail, 245; Green-winged Teal, 4; Canvas-back, 1; Lesser Scaup, 10; Buffle-head, 1; Ruddy Duck, 3; Am. Merganser, 400 (est.); Sharp-shinned Hawk, 3; Red-tailed Hawk, 15; Rough-legged Hawk, 3; Marsh Hawk, 29; Sparrow Hawk, 3; Bob-white, 1; Am. Coot, 13; Killdeer, 2; Herring Gull, 4; Ring-billed Gull, 50; Mourning Dove, 7; Road-runner, 1; Barn Owl, 1; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 12; Yellow-shafted Flicker, 28; Red-shafted Flicker, 14; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 13; Downy Woodpecker, 19; Horned Lark, 4; Blue Jay, 160 (est.); Am. Crow, 220; Carolina Chickadee, 69; Tufted Titmouse, 53; White-breasted Nuthatch, 1; Brown Creeper, 16; Carolina Wren, 6; Mockingbird, 10; Am. Robin, 65; Eastern Bluebird, 37; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 3; Cedar Waxwing, 71; Loggerhead Shrike, 5; Common Starling, 2000 (est.); Myrtle Warbler, 14; House Sparrow, 500 (est.); Eastern Meadowlark, 14 (both Easterns and Westerns identified by song); Western Meadowlark, 20; Red-winged Blackbird, 500 (est.); Rusty Blackbird, 20 (est.); Brewer's Blackbird, 1; Purple Grackle (Bronzed), 300 (est.); Brown-headed Cowbird, 1; Cardinal, 57; Am. Goldfinch, 300 (est.); Eastern Towhee, 17 (Mrs. J.E.M., E.S., C.B.W.); Spotted Towhee, 35; Savannah Sparrow, 40; Vesper Sparrow, 1; Slate-colored Junco, 114; Oregon Junco, 7; Am. Tree Sparrow, 65 (est.); Chipping Sparrow, 2; Field Sparrow, 84; Harris's Sparrow, 280; White-crowned Sparrow, 13; White-throated Sparrow, 17; Fox Sparrow, 7; Song Sparrow, 24; Lapland Longspur, 36. **Total,** 75 species; about 12,132 individuals.—Phillip Griffing, Cameron Vickers, Steve Anderson, David Clark (compiler), John Montgomery, Bill Bonnell (Auchincloss Bird Club), Mrs. J. E. Martin, Eliot Stanley, C. B. Williams.

426. Salt Plains National Wildlife Refuge, Jet, Okla. (7½-mile radius centering at Refuge Headquarters; dam spillway and Salt Fork River, east side of lake north to State Fish Hatchery, south side to Lindsley Place, west side to include west of Sand Creek, etc.; lake 50%, grassland 10%, adjacent agricultural land 10%, deciduous woodland 30%).—Jan. 2; 7 a.m. to 5:30 p.m. Clear; temp. 29° to 40°; calm in a.m., wind NW, 20 m.p.h. in p.m. Twenty observers in 4 parties. Total party-hours, 42 (29 on foot, 13 by car); total party-miles, 47 (19 on foot, 28 by car). Double-crested Cormorant, 1; Great Blue Heron, 106; Canada Goose, 6100 (4600 est., 1500); Snow Goose, 3; Blue Goose, 3; Mallard, 21,000 (20,000±1000); Black Duck, 12; Am. Widgeon, 1; Pintail, 13; Green-winged Teal, 3; Redhead, 3; Am. Golden-eye, 6; Buffle-head, 3; Hooded Merganser, 5; Am. Merganser, 4000; Sharp-shinned Hawk, 1; Red-tailed Hawk, 8; Golden Eagle, 26 (21 est., 5); Bald Eagle, 65; Marsh Hawk, 8; Sparrow Hawk, 2; Bob-white, 43; Ring-necked Pheasant, 8; Am. Coot, 2; Killdeer, 8; Greater Yellow-legs, 2; Herring Gull, 10; Ring-billed Gull, 2000; Mourning Dove, 100±; Horned Owl, 6; Yellow-shafted Flicker, 50; Red-shafted Flicker, 5; Red-bellied Woodpecker, 10; Hairy Woodpecker, 7; Downy Woodpecker, 10; **Ladder-backed Woodpecker,** 2 (new record for refuge; seen by most observers); Horned Lark, 10; Am. Crow, 500; Carolina Chickadee, 75; Tufted

Titmouse, 10; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 10; Long-billed Marsh Wren, 2; Am. Robin, 50; Eastern Bluebird, 40; Golden-crowned Kinglet, 11; Water Pipit, 1; Common Starling, 25; Myrtle Warbler, 7; House Sparrow, 10; Eastern and Western Meadowlark, 75; Red-winged Blackbird, 3075 (3000 est., 75); Brown-headed Cowbird, 25; Cardinal, 150 (100 est., 50); Pine Siskin, 10; Am. Goldfinch, 204; Eastern Towhee, 1; Spotted Towhee, 24; Savannah Sparrow, 4; Slate-colored Junco, 42; Am. Tree Sparrow, 231; Chipping Sparrow, 5; Clay-colored Sparrow, 1 [no details—ED.]; Field Sparrow, 15; Harris's Sparrow, 503; White-crowned Sparrow, 16; Fox Sparrow, 1; Lincoln's Sparrow, 3; Song Sparrow, 43. **Total,** 72 species; about 38,818 individuals.—Dennis Wegand, Stanley Little, Wesley Thermond, Paul Nighswonger (Alva, Okla.), Florel Helema, Addie Fromholz (Enid, Okla.), Fred, Marguerete, Teddy, Karl, Billie, and Barbara Baumgartner (Stillwater, Okla.), Bess Smith (Arcadia, Okla.), Mr. and Mrs. Glen Stuart (Wakita, Okla.), Scott Bucker, Frank Pieratt, Joe C. Creager, Clate Marshall (Ponca City, Okla.), John B. Van den Akker (compiler).

427. Spavinaw, Okla. (5-mile radius centering on Spavinaw Lake, and including Spavinaw Hills State Park, lakeward portion of town of Spavinaw, timbered bottomlands and sloughs bordering Spavinaw Creek at its entrance into the lake, and roadside pastures and cultivated fields between these points; open lake 30%, wooded creek bottoms 45%, oak-hickory hillsides 15%, roadside fields and pastures 10%).—Dec. 27; 7 a.m. to 5 p.m. Clear in a.m., overcast in p.m.; temp. 28° to 50°; wind S, 0-12 m.p.h.; pools and shallow lake margins frozen; ground clear. Lake at low level, exposing large frozen mudflat at mouth of creek. Eight observers in 2 parties. Total party-hours, 17 (13 on foot, 4 by car); total party-miles, 46 (10 on foot, 36 by car). Pied-billed Grebe, 1; Great Blue Heron, 5; Mallard, 1065 (1000 est., 65); Black Duck, 10; Gadwall, 16; Am. Golden-eye, 2; Am. Merganser, 600 (est.); Red-tailed Hawk, 3; Bald Eagle, 7; Bob-white, 9; Am. Coot, 500 (est.); Killdeer, 11; unidentified sandpiper, 1 (one of the larger, black-legged, clear-breasted "peeps," most probably a Western—J.L.N.); Ring-billed Gull, 4; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 11; Pileated Woodpecker, 7; Red-bellied Woodpecker, 22; Red-headed Woodpecker, 29; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 16; Horned Lark, 175; Blue Jay, 47; Am. Crow, 55; Carolina Chickadee, 41; Tufted Titmouse, 37; White-breasted Nuthatch, 21; Brown Creeper, 3; Winter Wren, 4; Carolina Wren, 26; Eastern Bluebird, 20; Golden-crowned Kinglet, 2; Water Pipit, 36; Cedar Waxwing, 42; Loggerhead Shrike, 1; Common Starling, 18; House Sparrow, 76; Eastern Meadowlark, 21; Brewer's Blackbird, 1 (closely observed); Brown-headed Cowbird, 25; Cardinal, 53; Am. Goldfinch, 92; Slate-colored Junco, 153; Am. Tree Sparrow, 17; Field Sparrow, 22; Song Sparrow, 28; Lapland Longspur, 14. **Total,** 49 species; about 3355 individuals.—Charlotte Bebb, Forrest Bebb, Mr. and Mrs. M. R. Bebb, Mr. and Mrs. Wid Gilbert, Marion B. and James L. Norman (compiler).

428. Stillwater, Okla. (same area as in previous years; open farmland 25%, timbered ravine with permanent or intermittent streams 50%, shores of artificial reservoirs 15%, upland oak woods 10%). —Dec. 26; 6:30 a.m. (dawn) to 5:30 p.m. Clear; temp. 26° to 54°; wind S, 8-12 m.p.h. Eight observers in 2 parties. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 57 (11 on foot, 46 by car). Great Blue Heron, 1; Canada Goose, 10; Mallard, 416 (est.); Am. Merganser, 600 (est.); Red-tailed Hawk, 6; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 1; Bob-white, 20; Killdeer, 1; Ring-billed Gull, 1000 (est.); Mourning Dove, 8; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 31; Downy Woodpecker, 12; Horned Lark, 6; Blue Jay, 26; Am. Crow, 53; Carolina Chickadee, 41; Tufted Titmouse, 15; White-breasted Nuthatch, 4; Brown Creeper, 1; Bewick's Wren, 2; Carolina Wren, 5; Mockingbird, 1 (Mrs. G. A. Bieberdorf); Am. Robin, 11; Eastern Bluebird, 13; Water Pipit, 1; Loggerhead Shrike, 1; Common Starling, 41; House Sparrow, 124; Eastern and Western Meadowlarks, 103; Red-winged Blackbird, 225 (est.); Rusty Blackbird, 8; unidentified blackbirds, 150 (est.); Cardinal, 24; Purple Finch, 2; Eastern Goldfinch, 78; Spotted Towhee, 6; Savannah Sparrow, 1; Slate-colored Junco, 47; Am. Tree Sparrow, 170 (est.); Field Sparrow, 21; Harris's Sparrow, 51; White-throated Sparrow, 3; Song Sparrow, 33; Chestnut-collared Longspur, 9. **Total,** 50 species; about 3411 individuals. (Seen on Dec. 27: **Whistling Swan,** 4 (F.M.B.); Gadwall, 1; Yellow-bellied Sapsucker, 1; Cedar Waxwing, 40; Brewer's Blackbird, 20.)—A. M. Baumgartner, F. M. Baumgartner (compiler), K. H. Baumgartner, T. A. Baumgartner, R. Dermer, B. Irwin, D. MacAlpine, D. R. Miller (Oklahoma A. and M. College).

429. Tulsa, Okla. (Mohawk Park—same area as covered since 1948).—Dec. 27; 6:30 a.m. to 5 p.m. Light to heavy overcast; temp. 29° to 47°; wind W, 0-5 m.p.h.; no snow; shallow water partly frozen. Twenty-four observers in 7 parties. Total party-hours, 58 (46 on foot, 12 by car); total party-miles, 86 (52 on foot, 34 by car). Great Blue Heron, 18; Mallard, 1200 (est.); Pintail, 1; Ring-necked Duck, 1; Lesser Scaup, 2; Am. Golden-eye, 2; Ruddy Duck, 2; Hooded Merganser, 15; Am. Merganser, 775 (est.); Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 1; Bob-white, 30; Am. Coot, 6; Ring-billed Gull, 125; Horned Owl, 2; Barred Owl, 2; **Short-eared Owl,** 1 (J.G.N., R.L.G.); Belted Kingfisher, 2; Yellow-shafted Flicker, 56; Red-shafted Flicker, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 284; Hairy Woodpecker, 5; Downy Woodpecker, 79; Blue Jay, 198; Am. Crow, 96; Carolina Chickadee, 168; Tufted Titmouse, 153; White-breasted Nuthatch, 20; Brown Creeper, 10; Winter Wren, 1; Carolina Wren, 41; Mockingbird, 2; Brown

Thrasher, 6; Am. Robin, 45; Hermit Thrush, 4; Eastern Bluebird, 27; Golden-crowned Kinglet, 20; Cedar Waxwing, 1; Loggerhead Shrike, 3; Common Starling, 460; House Sparrow, 235; Eastern Meadowlark, 64; **Western Meadowlark,** 35 (singing—J.G.N.); Red-winged Blackbird, 1735 (1700 est., 35); Rusty Blackbird, 40; Brewer's Blackbird, 35; Purple Grackle, 3952 (3900 est., 52); Brown-headed Cowbird, 25; Cardinal, 104; Purple Finch, 5; Pine Siskin, 4; Am. Goldfinch, 141; Eastern Towhee, 26; Spotted Towhee, 13; Slate-colored Junco, 558; Am. Tree Sparrow, 48; Field Sparrow, 51; Harris's Sparrow, 132; White-throated Sparrow, 143; Fox Sparrow, 61; Lincoln's Sparrow, 4; Swamp Sparrow, 6; Song Sparrow, 202. **Total,** 67 species; about 11,528 individuals. (Seen in area Jan. 3: **Western Grebe,** 1, dead on bank of lake—Mr. and Mrs. B.R.)—C. L. Criswell, John Dickerson, Mr. and Mrs. Ernest Esst, Bob Funston, John Getgood, Mrs. Roy L. Ginter, Steve Goddard, Mr. and Mrs. T. J. Hopkins, Mr. and Mrs. David O. Kassing, Ethel S. Letson, Orrin W. Letson (compiler), Mrs. A. M. Mery, Mrs. David North, John G. Newell, Mr. and Mrs. Bruce Reynolds, Alfred Steitz, Jr., Mr. and Mrs. H. C. Spore, Bess Smith, G. E. Tenney (Tulsa Audubon Society).

430. Wichita Mountains Wildlife Refuge, Cache, Okla. (6-mile radius centering on Refuge Headquarters, and including French Lake, southwest slope of Elk Mt., Comanche and Grama lakes, and Buffalo Springs vicinity, Quanah Parker and Pecan Springs area, and roadsides between; lake shores 10%, creek bottoms 40%, Blackjack Oak and rocky hillside locations 15%, open prairie 35%).—Dec. 31; 7:15 a.m. to 5:50 p.m. Clear; temp. 23° to 57°; wind SE, 3-5 m.p.h.; lakes and ponds partially frozen; ground dry. One observer. Total hours, 8 (4 on foot, 4 by car); total miles, 36 (6 on foot, 30 by car). Great Blue Heron, 1; Mallard, 53; Gadwall, 2; Am. Widgeon, 1; Pintail, 37; Green-winged Teal, 1; Am. Golden-eye, 2; Buffle-head, 15; Red-tailed Hawk, 2; Golden Eagle, 2; Bald Eagle, 7; Bob-white, 16; Turkey, 48; Road-runner, 1; Screech Owl, 2; Horned Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Red-shafted Flicker, 15; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 5; Blue Jay, 9; Am. Crow, 67; Carolina Chickadee, 32; Tufted Titmouse, 19; White-breasted Nuthatch, 5; Bewick's Wren, 7; Carolina Wren, 3; Cañon Wren, 1; Rock Wren, 2; Am. Robin, 400 (est.); Eastern Bluebird, 2; Mountain Bluebird, 12; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 241; Myrtle Warbler, 1; meadowlark (sp.), 54; Red-winged Blackbird, 600 (est.); Brewer's Blackbird, 8; Brown-headed Cowbird, 5; Cardinal, 12; Pine Siskin, 2; Spotted Towhee, 8; Savannah Sparrow, 4; Vesper Sparrow, 11; Rufous-crowned Sparrow, 2; junco (sp.), 162; Am. Tree Sparrow, 131; Chipping Sparrow, 2; Field Sparrow, 16; Harris's Sparrow, 97; Song Sparrow, 11; Chestnut-collared Longspur, 112. **Total,** 57 species; about 2272 individuals.—Ernest J. Greenwalt.

431. Wister Lake (LeFlore Co.), Okla. (same area as in 1951; 7½-mile radius centering at U.S. Engineers' headquarters at east end of lake, and including Clear Lake and surrounding woodlands and cultivated fields to the east, town of Wister to the north, Poteau River bottoms to the south, and Wister Lake to the west; deciduous woodland 35%, open lake 25%, permanent cut-off lakes 10%, grassy lake margins 5%, cultivated fields 10%, roadsides 10%, town suburbs 5%).—Jan. 1; 7:30 a.m. to 6:30 p.m. Clear; temp. 26° to 60° to 48°; wind S, calm in a.m., 0-15 m.p.h. in p.m.; ground bare. Two observers in 1 party. Total hours, 11 (8 on foot, 3 by car); total miles, 59 (6 on foot, 53 by car). Great Blue Heron, 6; Canada Goose, 24; Mallard, 257; Gadwall, 2; Pintail, 18; Green-winged Teal, 6; Ring-necked Duck, 2; Turkey Vulture, 28; Black Vulture, 12; Red-tailed Hawk, 3; Harlan's Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 9; Killdeer, 3; Mourning Dove, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 23; Am. Crow, 52; Carolina Chickadee, 23; Tufted Titmouse, 11; Brown Creeper, 2; Carolina Wren, 20; Mockingbird, 5; Brown Thrasher, 2; Am. Robin, 15; Hermit Thrush, 1; Eastern Bluebird, 27; Water Pipit, 3; Cedar Waxwing, 50; Loggerhead Shrike, 7; Common Starling, 3; Myrtle Warbler, 12; House Sparrow, 38; Eastern Meadowlark, 96; Red-winged Blackbird, 1; Rusty Blackbird, 3; Brown-headed Cowbird, 25; Cardinal, 57; Purple Finch, 6; Am. Goldfinch, 30; Spotted Towhee, 5; Slate-colored Junco, 194; Field Sparrow, 24; White-crowned Sparrow, 23; White-throated Sparrow, 95; Fox Sparrow, 13; Swamp Sparrow, 6; Song Sparrow, 15. **Total,** 60 species; 1314 individuals.—Mr. and Mrs. James L. Norman.

432. Aransas National Wildlife Refuge, Austwell, Tex. (7½-mile radius centering at or about Spanish Village, including San Antonio and St. Charles bayshores; farmland and town suburbs north of refuge).—Dec. 29; 8 a.m. to 6 p.m. Overcast; temp. 45° to 53°; wind N, 5-10 m.p.h. Three observers in 3 parties. Total party-hours, 24 (3 on foot, 21 by car); total party-miles, 157 (5 on foot, 152 by car). Common Loon, 1; Eared Grebe, 1 (J.A.H.); Least Grebe, 3; Pied-billed Grebe, 27; White Pelican, 36; Brown Pelican, 20; Double-crested Cormorant, 11; Olivaceous Cormorant, 5; Great Blue Heron, 20; Am. Egret, 6; Snowy Egret, 2; Reddish Egret, 4; Black-crowned Night Heron, 2; White Ibis, 30; Canada Goose, 1700; White-fronted Goose, 10; Snow Goose, 200; Blue Goose, 18; Mallard, 430; Mottled Duck, 25; Gadwall, 3830; Am. Widgeon, 750; Pintail, 36,500; Green-winged Teal, 130; Blue-winged Teal, 5; Shoveller, 350; Redhead, 200; Lesser Scaup, 200; Am. Golden-eye, 2; Buffle-head, 4; Ruddy Duck, 30; Turkey Vulture, 250; Black Vulture, 50; Cooper's Hawk, 2; Red-tailed Hawk, 30; Red-shouldered Hawk, 1; White-

tailed Hawk, 1; Rough-legged Hawk, 2; Ferruginous Hawk, 4; Marsh Hawk, 24; Audubon's Caracara, 10; Peregrine Falcon, 1; Sparrow Hawk, 20; Bob-white, 30; Turkey, 22; Whooping Crane, 7; Sandhill Crane, 50; Am. Coot, 420; Wilson's Plover, 4; Killdeer, 75; Black-bellied Plover, 2; Wilson's Snipe, 6; Long-billed Curlew, 8; Solitary Sandpiper, 3 (L.E.B.); Least Sandpiper, 12; Dowitcher, 150; Western Sandpiper, 10; Sanderling, 30; Wilson's Phalarope, 2 (spinning while feeding; all white tail—L.E.B.) [no further details—ED.]; Herring Gull, 25; Ring-billed Gull, 6; Laughing Gull, 10; Common Tern, 1 (L.E.B.); Least Tern, 3; Royal Tern, 2; Caspian Tern, 20; Mourning Dove, 300; Horned Owl, 3; Belted Kingfisher, 2; Red-shafted Flicker, 10; Ladder-backed Woodpecker, 1; Crested Flycatcher, 2 (typical flycatcher behavior; kingbird size, with a rufous tail —L.E.B.) [insufficient details—ED.]; Eastern Phoebe, 14; wood pewee (sp.), 5 (perched in trees and bushes on a promontory overlooking Hines Bay; at least 1 observed at 50 ft. with 7x glasses; yellow-washed venter, no eye-ring, and obvious wing-bars noted; typical pewee call heard—R.P.S.); Vermilion Flycatcher, 2; Blue Jay, 1; Mockingbird, 26; Brown Thrasher, 4; Am. Robin, 5000; Ruby-crowned Kinglet, 1; Water Pipit, 6; Loggerhead Shrike, 20; Common Starling, 1500; House Sparrow, 12; Eastern Meadowlark, 75; Red-winged Blackbird, 2800; Brewer's Blackbird, 3300; Boat-tailed Grackle, 25; Brown-headed Cowbird, 2000; Cardinal, 300; Savannah Sparrow, 5; Vesper Sparrow, 150; Lark Sparrow, 1; Field Sparrow, 1; White-throated Sparrow, 4; Song Sparrow, 2. **Total,** 96 species; about 61,417 individuals.—Julian A. Howard, Leslie E. Beaty, Robert P. Schooley. [In addition to the above, 2 Yellow-billed Cuckoos and 2 Eastern Kingbirds were reported. The cuckoos were seen in a mesquite bush; "large tail spots distinguished them from the Black-billed Cuckoo." The kingbirds were reported as "large black and white flycatchers." Without further substantiating details and apparently without any previous winter specimens for the U.S., it seems best to leave these records on the hypothetical list for the time being.—ED.]

433. Austin (Travis Co.), Tex. (7½-mile radius centering 1 mile southeast of Lake Austin City Park, and including Mansfield Dam, Bull Creek Road, Bee Cave, Oak Hill, and most of city of Austin; town 5%, river and lake 12%, cattail marsh 8%, wooded riverbottom 9%, farmland 2%, grassland 23%, cedar brakes 13%, mixed deciduous and cedar brush 26%, rocky limestone slopes 2%).—Jan. 2; 6:50 a.m. to 6 p.m. Fog in low places until 9:30 a.m., then clear; temp. 43° to 80°; wind SW, 0-17 m.p.h.; ground dry. Twelve observers in 4 parties. Total party-hours, 68 (31 on foot, 37 by car); total party-miles, 177 (25 on foot, 152 by car). Pied-billed Grebe, 14; Great Blue Heron, 4; Gadwall, 1479 (900 est., 579); Am. Widgeon, 75; Pintail, 11; Green-winged Teal, 14; Cinnamon Teal, 3; Shoveller, 22; Redhead, 1; Canvas-back, 8; Lesser Scaup, 7; Turkey Vulture, 22; Black Vulture, 35; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 15; Am. Coot, 1014 (500 est., 514); Killdeer, 28; Wilson's Snipe, 7; Spotted Sandpiper, 7; Mourning Dove, 3; Road-runner, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Red-shafted Flicker, 2; Red-bellied Woodpecker, 17; Golden-fronted Woodpecker, 3; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 2; Ladder-backed Woodpecker, 9; Eastern Phoebe, 4; **Say's Phoebe,** 1 (Mr. and Mrs. W.D.A.); Blue Jay, 44; Am. Crow, 26; Carolina Chickadee, 32; Black-crested Titmouse, 43; Brown Creeper, 1; House Wren, 5; Bewick's Wren, 53; Carolina Wren, 28; Cañon Wren, 10; Rock Wren, 3; Mockingbird, 96; Brown Thrasher, 1; Sage Thrasher, 2; Am. Robin, 3725 (est.); Hermit Thrush, 11; Eastern Bluebird, 55; Mountain Bluebird, 12; Ruby-crowned Kinglet, 35; **Cedar Waxwing,** 1457 (1000 est., 457); Loggerhead Shrike, 5; Common Starling, 276; Orange-crowned Warbler, 7; Myrtle Warbler, 83; **Audubon's Warbler,** 1 (throat decidedly yellow; seen in good light by observer familiar with species—E.L.P.); Common Yellow-throat, 2; House Sparrow, 208; Eastern Meadowlark, 244; Red-winged Blackbird, 78; **Boat-tailed Grackle,** 4160 (est.); Brown-headed Cowbird, 50; Cardinal, 120; House Finch, 68; Pine Siskin, 2; Am. Goldfinch, 68; Lesser Goldfinch, 13; Spotted Towhee, 20; Savannah Sparrow, 15; Grasshopper Sparrow, 2 (Mr. and Mrs. W.D.A.); Vesper Sparrow, 72; Lark Sparrow, 20; Rufous-crowned Sparrow, 14; Slate-colored Junco, 37; Chipping Sparrow, 2; Field Sparrow, 236; Harris's Sparrow, 22; White-crowned Sparrow, 6; White-throated Sparrow, 3; Lincoln's Sparrow, 28; Swamp Sparrow, 2; Song Sparrow, 7. **Total,** 84 species; about 14,335 individuals.—Sally Anderson, Mr. and Mrs. W. D. Anderson, Bradley Davis, Dr. Thomas P. Harrison, Jack C. Kidd, Bert W. Lindsay, Mrs. A. E. Massengale, Carol Massengale, Emma L. Purcell, Mr. and Mrs. Fred S. Webster (compiler) (Travis Audubon Society).

434. Big Spring, Tex. (same area as previous 5 years; mesquite-juniper hillsides and tableland 20%, artificial lake 5%, rocky canyon with mesquite and juniper 30%, cultivated fields 10%, mesquite thickets and long grass in stream valleys 15%, open park 20%).—Dec. 27; 7:15 a.m. to 4:15 p.m. Overcast; temp. 38° to 47°; wind S, 5-10 m.p.h. until noon, then N, 12-15 m.p.h.; ground dry; water open except thin ice where still. Three observers in 1 and 2 parties. Total party-hours, 9¼ (7 on foot, 2¼ by car); total party-miles, 27¾ (4¾ on foot, 23 by car). Pied-billed Grebe, 1; Pintail, 1; Shoveller, 1; Lesser Scaup, 5; Buffle-head, 3; Ruddy Duck, 5; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Killdeer, 12; Mourning Dove, 1; Horned Owl, 1; Red-shafted Flicker, 7; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 7; Scrub Jay, 2; White-necked Raven, 7; Black-crested Titmouse, 1; Verdin, 3; House Wren, 1; Bewick's Wren, 3; Cactus Wren, 1; Cañon Wren, 5; Rock Wren, 4; Mockingbird, 21; Brown Thrasher, 1; Curve-billed Thrasher, 3; Am. Robin, 34; Hermit Thrush, 2; Western Bluebird, 20; Mountain Blue-

bird, 117; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 7; Cedar Waxwing, 2; Loggerhead Shrike, 10; Common Starling, 1; Myrtle Warbler, 27; House Sparrow, 27; Western Meadowlark, 36; Cardinal, 33; House Finch, 8; Am. Goldfinch, 37; Green-tailed Towhee, 1; Spotted Towhee, 11; Brown Towhee (Cañon), 11; Oregon Junco, 88; White-crowned Sparrow, 315; Song Sparrow, 2. **Total,** 49 species; 896 individuals.—John E. Galley (compiler), Frances and Harold Williams.

435. Carrizo Springs, Tex. (7½-mile radius centering on dam of Lake Espantosa, and including mostly Lake Espantosa, Nueces River, and wildlife refuge on Nueces River; wooded lake shores 20%, riverbottoms 15%, small, artificial lakes 15%, irrigated farmland 10%, orchards 10%, mesquite-cactus brushland 30%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 30° to 62°; wind NW, 4-7 m.p.h. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 39 (9 on foot, 30 by car). Pied-billed Grebe, 5; Great Blue Heron, 1; Green Heron, 1; Black-crowned Night Heron, 1 (adult); Mallard, 4; Gadwall, 15; Pintail, 65; Green-winged Teal, 5; Blue-winged Teal, 33; Cinnamon Teal, 1; Shoveller, 15; Redhead, 8; Ring-necked Duck, 4; Canvas-back, 4; Lesser Scaup, 19; Ruddy Duck, 5; Turkey Vulture, 1; Black Vulture, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Golden Eagle, 3; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 14; Am. Coot, 125; Killdeer, 3; Wilson's Snipe, 5; Greater Yellow-legs, 4; Mourning Dove, 70; Ground Dove, 5; Horned Owl, 2; Belted Kingfisher, 2; Golden-fronted Woodpecker, 7; Ladder-backed Woodpecker, 4; Eastern Phoebe, 7; Vermilion Flycatcher, 4; White-necked Raven, 15; Black-crested Titmouse, 4; Verdin, 2; House Wren, 3; Carolina Wren, 2; Mockingbird, 9; Am. Robin, 5; Mountain Bluebird, 9; Ruby-crowned Kinglet, 5; Water Pipit, 80; Cedar Waxwing, 11; Loggerhead Shrike, 6; Common Starling, 2; Myrtle Warbler, 4; Yellow-throated Warbler, 2; Common Yellow-throat, 3; House Sparrow, 18; Eastern Meadowlark, 24; Cardinal, 7; Am. Goldfinch, 8; Lesser Goldfinch, 18; Texas Sparrow, 2; Spotted Towhee, 1; Lark Bunting, 15; Savannah Sparrow, 12; **Vesper Sparrow,** 325 (unusually large concentration); **Lark Sparrow,** 550 (unusually large concentration); Gray-headed (Red-backed) Junco, 5; Field Sparrow, 12; White-crowned Sparrow, 2; Lincoln's Sparrow, 2; Song Sparrow, 6. **Total,** 68 species; about 1625 individuals.—Kent Rylander, Roddy Rylander.

436. Commerce, Tex. (within a 5-mile radius of town; area part of that covered in previous years; other areas not included because of previous rains, water in pools high; deciduous bottom woodland and woodland along streams 75%, open pastureland 23%, ponds 2%).—Dec. 29; 7:45 a.m. to 2:05 p.m. Clear; temp. 32° to 59°; wind S to SW, 5-20 m.p.h.; ice on pools at start. One observer. Total hours, 6¼ (5¼ on foot, 1 by car); total miles, 22.2 (9 on foot, 13.2 by car). Great Blue Heron, 1; **Am. Egret,** 1 (found dead, fresh); Turkey Vulture, 5; Sharp-shinned Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Killdeer, 9; Mourning Dove, 5; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 7; Horned Lark, 31; Blue Jay, 15; Am. Crow, 16; Carolina Chickadee, 17; Tufted Titmouse, 7; Brown Creeper, 5; Bewick's Wren, 1; Carolina Wren, 3; Mockingbird, 1; Brown Thrasher, 2; Am. Robin, 11; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Cedar Waxwing, 8; Loggerhead Shrike, 5; Common Starling, 115; House Sparrow, 73; Eastern Meadowlark, 67; Western Meadowlark, 1; Red-winged Blackbird, 25; Brewer's Blackbird, 3; Brown-headed Cowbird, 140; Cardinal, 41; Purple Finch, 3; Pine Siskin, 4; Am. Goldfinch, 7; Savannah Sparrow, 55; Slate-colored Junco, 66; Field Sparrow, 77; Harris's Sparrow, 21; White-crowned Sparrow, 1; White-throated Sparrow, 49; Fox Sparrow, 4; Song Sparrow, 6. **Total,** 46 species; 943 individuals. (Seen in same area Dec. 31: Red-tailed Hawk, 1.)—Norah Selby O'Neil.

437. Dallas, Tex. (6-mile radius centering on Oak Lawn and Lemmon Aves., and including White Rock Lake [west, northwest, north and northeast shores], farmlands north of Dallas [mostly along Forest Lane] city limits; lake shore and cattail marsh 60%, deciduous farm woodlots and city parks 20%, town suburbs 10%, pasture 10%).—Dec. 31; 7:07 a.m. to 3 p.m. Clear; temp. 30° to 52°; wind SW, 3-12 m.p.h.; no snow on ground; no water frozen. One observer. Total hours, 8 (4 on foot [mostly standing beside car, with B&L binoculars and B&L Balscope on tripod], 4 by car); total miles, 41 (½ on foot, 40½ by car). Eared (?) Grebe, 3; Great Blue Heron, 5; Snow Goose, 1; Mallard, 280 (200± 30, 80); Pintail, 30; Canvas-back, 30; Am. Merganser, 2; Cooper's Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Am. Coot, 125; Killdeer, 6; Ring-billed Gull, 20; Mourning Dove, 6; Short-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 13; Downy Woodpecker, 2; Blue Jay, 33; Am. Crow, 16; Carolina Chickadee, 4; Tufted Titmouse, 4; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 15; Am. Robin, 5; Eastern Bluebird, 16; Loggerhead Shrike, 3; Common Starling, 1100 (±100); Myrtle Warbler, 4; House Sparrow, 61; Eastern Meadowlark, 1; Red-winged Blackbird, 19; Cardinal, 14; Am. Goldfinch, 3; Slate-colored Junco, 7; White-crowned Sparrow, 7; Lincoln's Sparrow, 1; Song Sparrow, 5. **Total,** 41 species; about 1865 individuals. (Seen in area Jan. 1: Cedar Waxwing, 12.)—Murray Marshall.

438. Del Rio, Tex. (same area as last year; grassy park 2%, willow-cottonwood grove 15%, underbrush and thickets 18%, cattail and river cane marsh 28%, irrigated farmland 7%, limestone canyons 20%, artificial lake 5%, mesquite thickets 5%).—Jan. 2; 7:30 a.m. to 5:30 p.m. Clear; temp. 32° to 70°; no wind; ground dry; water open. Seven observers in 3 parties. Total party-hours, 27 (13 on foot, 10 by car, 4 by boat); total party-miles, 46 (12 on foot, 30 by car,

4 by boat). Pied-billed Grebe, 4; Great Blue Heron, 3; **Snowy Egret,** 1; Green Heron, 3; Green-winged Teal, 1; **Wood Duck,** 3; Black Vulture, 50; Cooper's Hawk, 1; Red-tailed Hawk, 5; **Rough-legged Hawk,** 5; Marsh Hawk, 5; Bob-white, 12; Scaled Quail, 9; Florida Gallinule, 3; Am. Coot, 70; Killdeer, 8; Spotted Sandpiper, 2; Western Sandpiper, 5; Mourning Dove, 128; Ground Dove, 12; Inca Dove, 30; Horned Owl, 2; Belted Kingfisher, 8; Green Kingfisher, 7; Yellow-shafted Flicker, 3; Red-shafted Flicker, 19; Red-bellied Woodpecker, 6; Golden-fronted Woodpecker, 19; Yellow-bellied Sapsucker, 7; Ladder-backed Woodpecker, 11; Eastern Phoebe, 4; Black Phoebe, 5; Say's Phoebe, 2; Vermilion Flycatcher, 6; Verdin, 4; House Wren, 4; Bewick's Wren, 5; Carolina Wren, 1; Long-billed Marsh Wren, 1; Cañon Wren, 1; Rock Wren, 2; Mockingbird, 73; Sennett's Thrasher, 1; Sage Thrasher, 1; Am. Robin, 75; Hermit Thrush, 7; Eastern Bluebird, 17; Mountain Bluebird, 7; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 12; Water Pipit, 2; Cedar Waxwing, 210; Loggerhead Shrike, 15; Common Starling, 26; Orange-crowned Warbler, 3; Myrtle Warbler, 71; Audubon's Warbler, 28; Common Yellow-throat, 4; House Sparrow, 208; meadowlark (sp.), 15; Red-winged Blackbird, 683 (600± 100, 83); Brewer's Blackbird, 120; Boat-tailed Grackle, 1061 (1000±200, 61); Brown-headed Cowbird, 550 (500±50, 50); Cardinal, 35; Pyrrhuloxia, 2; House Finch, 24; Am. Goldfinch, 42; Lesser Goldfinch, 17; Texas Sparrow, 2; Spotted Towhee, 3; Baird's Sparrow, 1; Lark Sparrow, 2; Rufous-crowned Sparrow, 6; Black-throated Sparrow, 3; Clay-colored Sparrow, 1; Field Sparrow, 3; White-crowned Sparrow, 72; White-throated Sparrow, 1; Song Sparrow, 3. **Total,** 80 species; about 3883 individuals. (Seen in area Jan. 3: Black-crested Titmouse, 5; Brown Creeper, 1.)—Nance Creager, Charles Gaines, Carrie Holcomb, C. H. McNeese, Ruth Stamm, Frances Williams (compiler), Harold Williams.

439. Denton, Tex. (same area as last year; river-bottoms 45%, lake shore 15%, deciduous woods 20%, open pastures 10%, parks and residential areas 10%).—Jan. 1; 7:15 a.m. to 5:15 p.m. Clear; temp. 32° to 61°; wind SE, 5-10 m.p.h. Two observers in 1 party. Total hours, 10 (8 on foot, 2 by car); total miles, 60 (10 on foot, 50 by car). **Great Blue Heron,** 41; Turkey Vulture, 3; Red-tailed Hawk, 2; Marsh Hawk, 1; Killdeer, 7; Wilson's Snipe, 3; **Spotted Sandpiper,** 1 (observed on land and in flight; call heard); Ring-billed Gull, 8; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-shafted Flicker, 1; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Blue Jay, 15; Am. Crow, 6; Carolina Chickadee, 8; Tufted Titmouse, 4; White-breasted Nuthatch, 1; Brown Creeper, 1; Bewick's Wren, 2; Carolina Wren, 3; Mockingbird, 6; Brown Thrasher, 3; Am. Robin, 29; Eastern Bluebird, 5; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 7; Water Pipit, 19; Cedar Waxwing, 28; Loggerhead Shrike, 1; Common Starling, 106; Myrtle Warbler, 5; House Sparrow, 10; Eastern Meadowlark, 4; Western Meadowlark, 1; unidentified meadowlarks, 85; Rusty Blackbird, 2; Cardinal, 29; Am. Goldfinch, 45; Spotted Towhee, 3; Savannah Sparrow, 4; Vesper Sparrow, 8; Slate-colored Junco, 65; Field Sparrow, 9; Harris's Sparrow, 12; White-crowned Sparrow, 3; White-throated Sparrow, 21; Fox Sparrow, 2; Song Sparrow, 10. **Total,** 50 species; about 634 individuals.—Kent Rylander, Roddy Rylander.

440. Eagle Pass, Tex. (7½-mile radius centering 16 miles southeast of Eagle Pass on the Rio Grande, including mainly Rio Grande and bordering land; dense riverbottom of mesquite and reed grass 25%, brushy mesquite-cactus desert 40%, artificial lake 15%, irrigated farmland 15%, pastures 5%).—Dec. 26; 7:10 a.m. to 6:10 p.m. Clear; temp. 28° to 55°; wind NW, 4-8 m.p.h. Two observers in 1 party. Total hours, 11 (10½ on foot, ½ by car); total miles, 31 (11 on foot, 20 by car). Great Blue Heron, 3; Mallard, 4; Gadwall, 4; Pintail, 59; Green-winged Teal, 1; Blue-winged Teal, 12; Cinnamon Teal, 1; Shoveller, 3; Redhead, 2; Turkey Vulture, 1; Black Vulture, 31; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Harris's Hawk, 1; Golden Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 8; Bob-white, 2; Sandhill Crane, 52; Killdeer, 6; Wilson's Snipe, 5; Greater Yellow-legs, 1; Least Sandpiper, 5; Semipalmated Sandpiper, 2; Western Sandpiper, 2; Mourning Dove, 280; Road-runner, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Golden-fronted Woodpecker, 2; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 2; Eastern Phoebe, 2; Say's Phoebe, 1; Vermilion Flycatcher, 8; Black-crested Titmouse, 1; Verdin, 2; Bewick's Wren, 3; Long-billed Marsh Wren, 1; Mockingbird, 7; Eastern Bluebird, 1; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 3; Water Pipit, 16; Sprague's Pipit, 1; Cedar Waxwing, 15; Loggerhead Shrike, 7; Common Starling, 200; Orange-crowned Warbler, 1; Myrtle Warbler, 12; Audubon's Warbler, 2; Common Yellow-throat, 1; House Sparrow, 15; Eastern Meadowlark, 50; Red-winged Blackbird, 530 (est.); Brewer's Blackbird, 4500 (est.); Boat-tailed Grackle, 104; Brown-headed Cowbird, 250 (est.); Cardinal, 5; Pyrrhuloxia, 1; Am. Goldfinch, 4; Spotted Towhee, 2; Savannah Sparrow, 20; Vesper Sparrow, 1; Lark Sparrow, 10; Black-throated Sparrow, 8; Field Sparrow, 12; White-crowned Sparrow, 14; White-throated Sparrow, 1; Song Sparrow, 28. **Total,** 71 species; about 6342 individuals.—Kent Rylander, Roddy Rylander.

441. El Paso, Tex. (7½-mile radius centering on Scenic Drive, and including Ascarate Park, Peyton Packing Plant, McKelligon Canyon, Highland Park, Memorial Park, Sunrise Acres, Boy Scout Camp, Randel's Pool, country club area, Rio Grande levee and valley; semi-arid canyon 10%, sandhills 10%, city parks 25%, artificial lake 15%, stock pens 5%, river levee and valley 35%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Clear; temp. 35° to 51°; wind light and variable, 6-7 m.p.h.; snow in spots; water open. Eight observers in 4 parties. Total party-hours, 23½ (9 on foot, 14½ by car); total party-miles, 148 (22 on foot, 126 by car). Western Grebe, 1 (seen twice in Nov. and once in Dec. prior to Count—Mrs.

H.C.); Pied-billed Grebe, 11; White Pelican, 1; Great Blue Heron, 6; Green Heron, 1; Black-crowned Night Heron, 6; Mallard, 314; Gadwall, 362; Am. Widgeon, 340; Pintail, 47; Green-winged Teal, 270; Shoveller, 152; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 24; Am. Merganser, 54; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 11; Sparrow Hawk, 11; Gambel's Quail, 185; Am. Coot, 210; Killdeer, 47; Wilson's Snipe, 2; Least Sandpiper, 65; Ring-billed Gull, 1; Mourning Dove, 3; Road-runner, 1; Long-eared Owl, 1; Belted Kingfisher, 6; Red-shafted Flicker, 33; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 1; Black Phoebe, 1; Say's Phoebe, 1; Scrub Jay, 1; White-necked Raven, 49; Verdin, 1; White-breasted Nuthatch, 3; Pygmy Nuthatch, 20; Bewick's Wren, 1; Mockingbird, 4; Brown Thrasher, 1 (3 probably present during good part of winter); Crissal Thrasher, 1; Am. Robin, 225; Hermit Thrush, 2; Western Bluebird, 60; Townsend's Solitaire, 1 (M.B.K., J.W., L.W.); Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 75; Loggerhead Shrike, 10; Audubon's Warbler, 76; House Sparrow, 1120 (est.); Western Meadowlark, 30; Yellow-headed Blackbird, 800 (est.); **Red-winged Blackbird,** 12,000 (est.); **Brewer's Blackbird,** 18,020 (est.); **Boat-tailed Grackle,** 20,000 (est.); **Brown-headed Cowbird,** 4000 (est.); Pyrrhuloxia, 3; House Finch, 235; **Lawrence's Goldfinch,** 7 (3 previous Count records —1934, 1943, 1951; observed periodically with other goldfinches until Feb. 18); Red Crossbill, 8; Spotted Towhee, 10; Lark Bunting, 8; Savannah Sparrow, 1; Black-throated Sparrow, 6; Sage Sparrow, 22; Oregon Junco, 120 (Pink-sided, 60); Gray-headed Junco, 120; Chipping Sparrow, 8; Clay-colored Sparrow, 4; Brewer's Sparrow, 4; White-crowned Sparrow (Gambel's), 900 (est.); Song Sparrow, 3. **Total,** 75 species (1 additional subspecies); about 60,200 individuals. (All but about 5000 of the 60,200 individuals were blackbirds. They feed at stock pens until about 3 p.m. during the winter months, then vast flights start passing over the city on the way to roost in cultivated areas and in swampy places.)—Mesdames Harry Conway, Lena McBee, Louise Wilmarth; Misses Jennie Camp, Mary Belle Keefer; Messrs. John Conway, Jasper Wooldridge, Dr. Brown W. Randel (El Paso Audubon Society).

442. Fort Worth, Tex. (same area as last year; 7½-mile radius centering on Federal Fish Cultural Station, including Lake Worth area, Rockwood, Trinity and Forest parks).—Jan. 2; 8:30 a.m. to 6 p.m. Clear; temp. 46° to 67°; wind SSW to NW, 15-20 m.p.h. Twenty-seven observers in 7 parties. Total party-hours, 42 (31½ on foot, 10½ by car); total party-miles, 286 (67 on foot, 219 by car). Pied-billed Grebe, 6; Great Blue Heron, 3; Mallard, 4; Gadwall, 42; Am. Widgeon, 30; Pintail, 20; teal (sp.), 35 (est.); Shoveller, 5; Redhead, 2; Ring-necked Duck, 4; Lesser Scaup, 16; Buffle-head, 2; Turkey Vulture, 59; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; **Harlan's Hawk,** 1 (R.H.B.); Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 6; Peregrine Falcon, 2; Sparrow Hawk, 5; Bob-white, 8; **Sora,** 1 (W.M.P.); Am. Coot, 40; Killdeer, 27; Wilson's Snipe, 7; Least Sandpiper, 27; Herring Gull, 1; Ring-billed Gull, 2; Laughing Gull, 1; Mourning Dove, 49; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 98; Red-shafted Flicker, 2; Red-bellied Woodpecker, 42; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 35; Blue Jay, 71; Am. Crow, 39; Carolina Chickadee, 107; Tufted Titmouse, 105; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 16; Bewick's Wren, 6; Carolina Wren, 21; Long-billed Marsh Wren, 1; Mockingbird, 53; Brown Thrasher, 8; Am. Robin, 370; Hermit Thrush, 5; Eastern Bluebird, 43; Ruby-crowned Kinglet, 5; Cedar Waxwing, 238; Loggerhead Shrike, 8; Common Starling, 72,010 (71,850 est., 160); Myrtle Warbler, 54; House Sparrow, 426 (250 est., 176); Eastern Meadowlark, 1; meadowlark (sp.), 40; **Red-winged Blackbird,** 330,570 (est.); Rusty Blackbird, 1060 (est.); Boat-tailed Grackle, 1000 (est.); Purple Grackle, 2500 (est.); **Brown-headed Cowbird,** 100,150 (est.); Cardinal, 121; Am. Goldfinch, 61; Spotted Towhee, 20; Savannah Sparrow, 1; Vesper Sparrow, 5; Lark Sparrow, 9; Slate-colored Junco, 181; Oregon Junco, 1; Am. Tree Sparrow, 4; Field Sparrow, 257; Harris's Sparrow, 67; White-crowned Sparrow, 13;White-throated Sparrow, 27; Fox Sparrow, 3; Lincoln's Sparrow, 3; Song Sparrow, 9; Chestnut-collared Longspur, 50. **Total,** 85 species; about 510,360 individuals. (Seen in area Jan. 1: House Wren, 1.)—Mr. and Mrs. George S. Adams, Selma Waldman Adkins, Phillip Allan, Sister Saint Andrew, Sister Mary Albert, Mrs. Robert H. Bowman, Mearl Carson, Mr. and Mrs. J. E. Casstevens, Mrs. E. E. Crowder, Florence H. Fischer, Mrs. Ruth Harrison, Josie Jaynes, Mrs. George W. Parker, Jr., Mr. and Mrs. Stephen A. Passmore, Warren M. Pulich, Jr., Warren M. Pulich, Sr. (compiler), Kent Rylander, Roddy Rylander, Mrs. Wade Smith, Bird A. Walker, Mr. and Mrs. Harry C. Wallenberg, Anne H. Webb, Wallace W. Wood (Fort Worth Audubon Society).

443. Galveston, Tex. (15-mile diameter from northeast end of Galveston Island to point 13 miles down the island and the adjoining mainland; grassy prairies with scattered fresh-water pools 70%, dry prairies and golf courses 10%, tamarisk thickets 10%, beach and open water 10%).—Jan. 2; 7:35 a.m. to 2:15 p.m. Clear in a.m., cloudy in p.m.; temp. 45° to 75°; wind calm in a.m., NW, 2-3 m.p.h. in p.m.; too much water for surface ducks in Sweetwater Lake. Four observers in 1 party. Total party-hours, 5½ (½ on foot, 5 by car); total party-miles, 56 (1 on foot, 55 by car). Common Loon, 6; Pied-billed Grebe, 21; White Pelican, 32; Brown Pelican, 176; Double-crested Cormorant, 53; Great Blue Heron, 12; Am. Egret, 41; Snowy Egret, 37; Reddish Egret, 1; Louisiana Heron, 8; Little Blue Heron, 4; Black-crowned Night Heron, 71; Yellow-crowned Night Heron, 6; Am. Bittern, 2; White-faced Ibis, 30; White Ibis, 114; Snow Goose, 64; Blue Goose, 2; Pintail, 750; Lesser Scaup, 6; Ruddy Duck, 12;

White-tailed Hawk, 1; Marsh Hawk, 21; Sparrow Hawk, 11; Bob-white, 3; Clapper Rail, 1; Sora, 1; Am. Coot, 107; Piping Plover, 2; Ringed Plover, 2; Killdeer, 47; Black-bellied Plover, 68; Ruddy Turnstone, 18; Wilson's Snipe, 1; Long-billed Curlew, 13; Spotted Sandpiper, 1; Willet, 10; Greater Yellow-legs, 26; Lesser Yellow-legs, 2; Least Sandpiper, 1; Red-backed Sandpiper, 3050; Dowitcher, 32; Semipalmated Sandpiper, 1; Sanderling, 70; Herring Gull, 47; Ring-billed Gull, 1052; Laughing Gull, 350; Gull-billed Tern, 11; Forster's Tern, 4; Royal Tern, 538; Caspian Tern, 4; Mourning Dove, 4; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Eastern Phoebe, 1; Horned Lark, 10; Long-billed Marsh Wren, 1; Mockingbird, 5; Brown Thrasher, 4; Am. Robin, 4; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 2; Water Pipit, 225; Loggerhead Shrike, 11; Common Starling, 716; Orange-crowned Warbler, 1; Myrtle Warbler, 6; Common Yellow-throat, 2; House Sparrow, 14; Eastern Meadowlark, 35; Red-winged Blackbird, 1407; Boat-tailed Grackle, 12; Brown-headed Cowbird, 2115; Cardinal, 2; Savannah Sparrow, 16; Seaside Sparrow, 1; White-throated Sparrow, 2. **Total,** 78 species; about 11,546 individuals.—Fred E. Brown, J. M. Heiser, George G. Williams, Stephen Williams.

444. Houston, Tex. (lower portion of San Jacinto River from mouth to point 15 miles upstream, near Sheldon; heavy woods of pine and oak, cypress swamps, open fields and prairie, salt-water estuary, riverbottom; same area as previous years).—Jan. 3; 5:45 a.m. to 5:50 p.m. Clear, no wind (a perfect day); temp. 45° to 72°. Forty-seven observers in 10 parties. Total party-hours, 103¾ (69¾ on foot, 34 by car); total party-miles, 480 (52 on foot, 428 by car). Pied-billed Grebe, 48; White Pelican, 150; Brown Pelican, 44; Double-crested Cormorant, 16; Water-turkey, 3; Great Blue Heron, 86; Am. Egret, 165; Snowy Egret, 86; Reddish Egret, 2; Louisiana Heron, 6; Little Blue Heron, 81; Black-crowned Night Heron, 16; Yellow-crowned Night Heron, 1; Canada Goose, 102; White-fronted Goose, 40; Snow Goose, 2819; Blue Goose, 231; unidentified geese, 300; Mallard, 566; Black Duck, 42; Gadwall, 451; Am. Widgeon, 474; Pintail, 7072; Green-winged Teal, 2808; Blue-winged Teal, 6; Shoveller, 274; Redhead, 16; Ring-necked Duck, 21; Canvas-back, 21; Lesser Scaup, 3804; Buffle-head, 2; Ruddy Duck, 3; unidentified ducks, 1500; Turkey Vulture, 156; Black Vulture, 74; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, 55; Red-shouldered Hawk, 50; Swainson's Hawk, 2; White-tailed Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 65; Audubon's Caracara, 4; Peregrine Falcon, 1; Sparrow Hawk, 88; Greater Prairie Chicken, 24; Bob-white, 1; Am. Coot, 466; Ringed Plover, 2; Killdeer, 375; Black-bellied Plover, 14; Am. Woodcock, 1; Wilson's Snipe, 3; Spotted Sandpiper, 5; Willet, 2; Greater Yellow-legs, 11; Lesser Yellow-legs, 35; Red-backed Sandpiper, 4; Dowitcher, 2; Semipalmated Sandpiper, 4; Western Sandpiper, 1600; Am. Avocet, 91; Herring Gull, 25; Ring-billed Gull, 2612; Laughing Gull, 797; **Gull-billed Tern,** 456; Forster's Tern, 82; Royal Tern, 20; Caspian Tern, 10; Black Skimmer, 4; Mourning Dove, 172; Screech Owl, 2; Barred Owl, 11; Belted Kingfisher, 35; Yellow-shafted Flicker, 84; Red-shafted Flicker, 1; Pileated Woodpecker, 19; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 17; Hairy Woodpecker, 6; Downy Woodpecker, 36; Scissor-tailed Flycatcher, 1 (unusual but not unknown wintering bird in area; "staked out" for past 2 winters); Eastern Phoebe, 92; **Empidonax flycatcher** (sp.?), 1 (observed at very close range; all field characteristics noted separating it from phoebe, kinglet, etc.—A.Y.); Vermilion Flycatcher, 1; Blue Jay, 134; Am. Crow, 366; Carolina Chickadee, 169; Tufted Titmouse, 119; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 40; Brown Creeper, 12; House Wren, 24; Winter Wren, 6; Carolina Wren, 99; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 4; Mockingbird, 144; Catbird, 1; Brown Thrasher, 95; Am. Robin, 513; Hermit Thrush, 22; Eastern Bluebird, 235; Blue-gray Gnatcatcher, 91; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 227; Water Pipit, 511; Sprague's Pipit, 5; Cedar Waxwing, 119; **Loggerhead Shrike,** 205; Common Starling, 12,287; White-eyed Vireo, 3; Solitary Vireo, 1; Orange-crowned Warbler, 34; Myrtle Warbler, 213; Pine Warbler, 145; Palm Warbler, 2; Common Yellow-throat, 6; Black-capped Warbler, 1 (usual but rare winter resident); House Sparrow, 577; Eastern Meadowlark, 377; Red-winged Blackbird, 955; Rusty Blackbird, 35; Brewer's Blackbird, 251; Boat-tailed Grackle, 235; Purple Grackle, 54; Brown-headed Cowbird, 2177; mixed blackbirds, 105,000 (est.); Cardinal, 246; Pine Siskin, 4; Am. Goldfinch, 476; Eastern Towhee, 17; Savannah Sparrow, 1165; Seaside Sparrow, 1; Vesper Sparrow, 11; Lark Sparrow, 4; Slate-colored Junco, 33; Chipping Sparrow, 61; Field Sparrow, 25; White-crowned Sparrow, 2; White-throated Sparrow, 257; **Lincoln's Sparrow,** 90; Swamp Sparrow, 102; Song Sparrow, 13. **Total,** 143 species; 156,950 individuals. (Mixed blackbirds included Starlings and probably all species of blackbirds shown as identified. One flock was estimated at 100,000 birds and another at 5000 birds. Although individuals of each species could be picked out in these flocks, the numbers of each species were not estimated due to continual rolling of the flock.)—William Bailey, Jerry Baker, Mr. and Mrs. L. A. M. Barnette, Sydney Barnette, Guy B. Blair, Fred Brown, C. E. Buehner, Mrs. Etta W. Coffman, Hardin Craig, Jr., Betty Crowley, Nance Cunningham, Victor Emanuel, Werner Gottsch, Billy Green, Mr. and Mrs. Charles Hamilton, Joe M. Heiser, Jr., Mrs. Harriet C. Hunt, Oran Lively, Mr. and Mrs. Francis A. MacMahon, Darris Massingill, D. S. Melstrom, Edna Miner, Ruth S. Moorman, J. F. Murray, Norma Oates, Noel Pettingell, Mac Ramsey, Sterling Rayburn, John R. Rehbein, David Safley, Leota Stillwell, Lawrence Tabony, Katrina Thompson, Mabel Todd, David Watson, Frank G. Watson, Mr. and Mrs. John E. Willborn, George Williams, Stephen Williams, Josiephine Wilkin, Ella Wolfer, Richard E. Wright, Armand Yramategui.

445. Jasper, Tex. (7½-mile radius centering 8 miles west of Jasper, and including Dam "B" Lake on Neches River, Jasper Fish Hatchery, Neches and Angelina rivers, and Indian Creek bottoms; wooded areas, yaupon and Am. holly and cherry laurel thickets, pine, magnolia and deciduous creeks and hills 80%, open fields and pastures 19%, open water 1%).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp 35° to 56°; wind NW, 5-20 m.p.h. Two observers in 1 party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 50 (8 on foot, 42 by car). Pied-billed Grebe, 3; Great Blue Heron, 3; Mallard, 30; Ring-necked Duck, 1; Lesser Scaup, 5; Turkey Vulture, 27; Black Vulture, 14; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Sparrow Hawk, 4; Am. Coot, 2; Killdeer, 35; Wilson's Snipe, 35; Mourning Dove, 22; Screech Owl, 1 (dead); Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 21; Pileated Woodpecker, 6; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 6; Blue Jay, 12; Am. Crow, 21; Carolina Chickadee, 12; Tufted Titmouse, 11; Red-breasted Nuthatch, 2; Carolina Wren, 7; Mockingbird, 13; Brown Thrasher, 6; **Am. Robin,** 25,250 (25,000 low est., 250; constant flights going to roost observed over 2-hour period); Hermit Thrush, 7; Eastern Bluebird, 35; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 19; Water Pipit, 92; Cedar Waxwing, 34; Loggerhead Shrike, 6; Orange-crowned Warbler, 4; Myrtle Warbler, 71; Pine Warbler, 13; House Sparrow, 6; Eastern Meadowlark, 20; Rusty Blackbird, 10; Cardinal, 96; Spotted Towhee, 2; Vesper Sparrow, 1; Slate-colored Junco, 23; White-throated Sparrow, 74. **Total,** 51 species; about 26,184 individuals.—Nadine Sheffield, O. C. Sheffield (compiler).

446. Laguna Atascosa National Wildlife Refuge, San Benito (Cameron Co.), Tex. (same as last year).—Jan. 3; 5:50 a.m. to 7 p.m. Cloudy; temp. 70° to 73°, max. temp. 81°; wind SSE, 7½ m.p.h. Eighteen observers in 8 parties. Total party-hours, 172 (108½ on foot, 45 by car, 18½ by boat); total party-miles, 469 (40 on foot, 247 by car, 182 by airthrust, boat, and canoe). Eared Grebe, 57; Least Grebe, 5; Pied-billed Grebe, 112; White Pelican, 169; Brown Pelican, 66; Double-crested Cormorant, 2; Olivaceous Cormorant, 108; Water-turkey, 4; Great Blue Heron, 305; Am. Egret, 36; Snowy Egret, 66; Reddish Egret, 218; Louisiana Heron, 10; Black-crowned Night Heron, 24; Am. Bittern, 1; White-faced Ibis, 86; Canada Goose, 1086; White-fronted Goose, 159; Snow Goose, 841; Blue Goose, 60; Mallard, 119; Mottled Duck, 21; Gadwall, 1321; Am. Widgeon, 1249; **Pintail,** 525,782 (523,302±25,000, 2480); Green-winged Teal, 705; Blue-winged Teal, 98; Cinnamon Teal, 20; Shoveller, 841; **Redhead,** 555,157 (550,000±30,000, 157); Ring-necked Duck, 2; Canvas-back, 11; Lesser Scaup, 445; Bufflehead, 45; Ruddy Duck, 278; Red-breasted Merganser, 22; Turkey Vulture, 25; Black Vulture, 231; White-tailed Kite, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 20; Red-shouldered Hawk, 4; White-tailed Hawk, 3; Rough-legged Hawk, 2; Harris's Hawk, 52; Marsh Hawk, 106; Audubon's Caracara, 27; Peregrine Falcon, 8; Pigeon Hawk, 1; Sparrow Hawk, 103; Chachalaca, 2; Bobwhite, 69; Sandhill Crane, 68; Florida Gallinule, 1; Am. Coot, 6730; Piping Plover, 6; Ringed Plover, 1; Killdeer, 159; Black-bellied Plover, 140; Ruddy Turnstone, 4; Wilson's Snipe, 8; Long-billed Curlew, 491; Hudsonian Curlew, 2 (T.G.); Spotted Sandpiper, 7; Willet, 129; Greater Yellow-legs, 45; Lesser Yellow-legs, 42; Least Sandpiper, 94; Red-backed Sandpiper, 48; Dowitcher, 91; Semipalmated Sandpiper, 18; Western Sandpiper, 909; Marbled Godwit, 15; Am. Avocet, 305; Herring Gull, 208; Ring-billed Gull, 159; Laughing Gull, 22; Gull-billed Tern, 123; Forster's Tern, 4; Royal Tern, 5; Caspian Tern, 66; Black Skimmer, 45; Mourning Dove, 268; Ground Dove, 76; Inca Dove, 7; Groove-billed Ani, 1; Road-runner, 4; Barn Owl, 2; Screech Owl, 2; Horned Owl, 17; Pauraque, 19; Belted Kingfisher, 6; Green Kingfisher, 1; Golden-fronted Woodpecker, 33; Yellow-bellied Sapsucker, 4; Ladder-backed Woodpecker, 46; **Tropical Kingbird,** 35; Derby Flycatcher, 17; Eastern Phoebe, 25; Say's Phoebe, 8; Vermilion Flycatcher, 29; Horned Lark, 122; Green Jay, 19; Black-crested Titmouse, 10; Verdin, 33; House Wren, 33; **Winter Wren,** 1 (observed in good light at 6 ft.; much-abbreviated tail and rich, unmarked chocolate brown of head and back clearly seen—P.J.); Bewick's Wren, 29; Carolina Wren, 2; Cactus Wren, 1; Long-billed Marsh Wren, 2; Mockingbird, 317; Sennett's Thrasher, 16; Curve-billed Thrasher, 46; Am. Robin, 160; Hermit Thrush, 3; Eastern Bluebird, 3; Blue-gray Gnatcatcher, 10; Ruby-crowned Kinglet, 23; Water Pipit, 443; Sprague's Pipit, 2; Cedar Waxwing, 1; Loggerhead Shrike, 68; White-eyed Vireo, 10; Solitary Vireo, 1; Orange-crowned Warbler, 9; Nashville Warbler, 2; Myrtle Warbler, 92; Yellow-throated Warbler, 2; **Louisiana Water-thrush,** 1 (observed walking on debris at water's edge at 65 ft. through 7x50 glasses; eye-stripe clear white, throat neither spotted nor streaked—P.J.); Common Yellow-throat, 36; House Sparrow, 75; Eastern Meadowlark, 235; Red-winged Blackbird, 4084 (3800±300, 284); Audubon's Oriole, 6; Hooded Oriole (Sennett's), 1 (Mrs. C.T.G., Mrs. A.P.L.); Brewer's Blackbird, 59; Boat-tailed Grackle, 1058; Brown-headed Cowbird, 10; Cardinal, 17; Pyrrhuloxia, 3; Texas Sparrow, 26; Green-tailed Towhee, 1; Savannah Sparrow, 538; Grasshopper Sparrow, 5; Baird's Sparrow, 8; Vesper Sparrow, 10; Lark Sparrow, 254; Black-throated Sparrow, 4; Clay-colored Sparrow, 15; Field Sparrow, 14; White-crowned Sparrow, 2; White-throated Sparrow, 8; Lincoln's Sparrow, 38; Swamp Sparrow, 10; Song Sparrow, 21. **Total,** 157 species; about 1,108,735 individuals.—William Baasel, Lee Cassells, Mr. and Mrs. L. Irby Davis, Mr. and Mrs. C. Terry Gill, Luther C. Goldman (compiler), C. E. Hudson, Jr., M. H. Hull, Dr. Pauline James, William S. Jennings, Edgar Kincaid, Mrs. A. P. Longland, C. N. Moore, John Morony, Jack Prentiss, U. L. Stegman, H. A. Trevino.

447. Midland, Tex. (same area as last year; parks

and cemetery 40%, water and marsh 10%, cultivated areas 15%, sandy plains with long grass and thickets of mesquite and tamarisk 35%).—Dec. 26; 7:45 a.m. to 5:30 p.m. Clear to cloudy; temp. 29° to 57°; wind SSW, 4-8 m.p.h.; ground dry; water covered by ½-in. ice in a.m. Four observers in 1 party. Total party-hours, 8¼ (5¼ on foot, 3 by car); total party-miles, 47¾ (1¾ on foot, 46 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 1; Scaled Quail, 1; Killdeer, 6; Long-billed Curlew, 31; Mourning Dove, 18; Horned Owl, 1; Red-shafted Flicker, 15; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 2; Horned Lark, 10; Red-breasted Nuthatch, 2; Cactus Wren, 2; Long-billed Marsh Wren, 1; Mockingbird, 1; Am. Robin, 1; Ruby-crowned Kinglet, 1; Water Pipit, 40; Loggerhead Shrike, 13; Common Starling, 2200 (est.); Myrtle Warbler, 21; Audubon's Warbler, 4; House Sparrow, 590; Western Meadowlark, 65; Brewer's Blackbird, 75; Brown-headed Cowbird, 800 (est.); Pyrrhuloxia, 9; House Finch, 34; Am. Goldfinch, 6; Spotted Towhee, 2; Brown Towhee (Cañon), 1; Lark Bunting, 4; Vesper Sparrow, 6; Slate-colored Junco, 1; Oregon Junco, 9; Brewer's Sparrow, 1; White-crowned Sparrow, 95; Song Sparrow, 5. **Total,** 41 species; about 4084 individuals.—Mrs. E. R. Atwill, John E. Galley (compiler), L. O. Thompson, Frances Williams.

448. Muleshoe National Wildlife Refuge, Muleshoe, Tex. (refuge, 5809 acres; 86% short grass-mesquite pasture, 552 acres shallow lakes or dry lake beds, 160 acres cultivated lands, 5 acres timber along creek and shelter belt in headquarters area).—Dec. 27; 7 a.m. to 6 p.m. Clear in a.m. and visibility reduced to 1½ miles by dust and sandstorm in p.m.; temp. 20° to 45°; wind NW, 20-35 m.p.h.; ground clear under foot; 50% of water area frozen. One observer. Total hours, 11 (1 on foot, 10 by car); total miles, 42 (2 on foot, 40 by car). Canada Goose, 600 (±25); Snow Goose, 1; Mallard, 85,000 (±2500); Am. Widgeon, 20,000 (±1000); Pintail, 20,000 (±1000); Green-winged Teal, 2500 (±200); Shoveller, 150 (±10); Canvas-back 16; Buffle-head, 37; Ruddy Duck, 28; Am. Merganser, 5; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Ferruginous Hawk, 3; Golden Eagle, 4; Bald Eagle, 2; Marsh Hawk, 14; Scaled Quail, 56; **Sandhill Crane,** 12,000 (±500); Herring Gull, 35; Mourning Dove, 11; Horned Owl, 2; Long-eared Owl, 1; Red-shafted Flicker, 2; Horned Lark, 38; Am. Robin, 14; Hermit Thrush, 1; Townsend's Solitaire, 1; Loggerhead Shrike, 5; Common Starling, 35; House Sparrow, 50 (±5); Western Meadowlark, 150 (±10); Red-winged Blackbird, 100 (±10); Spotted Towhee, 1; Oregon Junco, 33; White-crowned Sparrow, 175 (±15). **Total,** 36 species; about 141,074 individuals. An additional estimated 30,000 Sandhill Cranes are using an area about 8 miles northwest of Refuge.—Joshua J. Harman.

449. Queen City, Tex. (same as last year).—Dec. 25; 7 a.m. to 6:30 p.m. Clear; temp. 30° to 43°; wind NW, 10-11 m.p.h.; all ponds frozen. One observer. Total hours, 11½ (11 on foot, ½ by car); total party-miles, 26 (20 on foot, 6 by car). Turkey Vulture, 11; Black Vulture, 2; Red-tailed Hawk, 3; Sparrow Hawk, 1; Killdeer, 29; Mourning Dove, 18; Barred Owl, 2; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 7; Eastern Phoebe, 1; Blue Jay, 27; Am. Crow, 37; Carolina Chickadee, 19; Tufted Titmouse, 9; Carolina Wren, 7; Mockingbird, 7; Brown Thrasher, 2; Am. Robin, 114; Hermit Thrush, 11; Eastern Bluebird, 17; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 11; Cedar Waxwing, 22; Loggerhead Shrike, 12; Myrtle Warbler, 27; Pine Warbler, 11; House Sparrow, 13; Eastern Meadowlark, 57; Red-winged Blackbird, 10; Purple Grackle, 3; Brown-headed Cowbird, 53; Cardinal, 47; Purple Finch, 9; Pine Siskin, 22; Am. Goldfinch, 27; Vesper Sparrow, 2; Slate-colored Junco, 79; Chipping Sparrow, 4; Field Sparrow, 18; White-throated Sparrow, 122; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 7. **Total,** 46 species; 949 individuals. (Seen in area Dec. 24: Marsh Hawk, 1; Belted Kingfisher, 1; Wilson's Snipe, 1.)—Billy Heldt.

450. Rockport, Tex. (same area as last year; gulf beach 5%, bay shore and mudflats 30%, dry prairies 30%, mesquite and oak brush 30%, fresh-water ponds 5%).—Jan. 1; 7 a.m. to 6 p.m. Clear; temp. 60° to 78°; wind SE, 8 m.p.h.; tide very low (wind tides only). Five observers in 2 parties. Total party-hours, 22 (4 on foot, 18 by car); total party-miles, 125 (7 on foot, 118 by car). Eared Grebe, 56; Pied-billed Grebe, 14; White Pelican, 450; Brown Pelican, 125; **Blue-faced Booby,** 1 (seen from tip of mile-long Gulf Jetty at Port Aransas just after sunrise on clear still morning; first observed at a distance coming in low over water; at first thought to be Gannet, with which observer is familiar, but flight too rapid indicating a smaller bird; black tip of tail, black rear edge of wing, and black about base of bill clearly noted—R.M.L.); Double-crested Cormorant, 10; Olivaceous Cormorant, 2; **Great Blue Heron,** 270; Am. Egret, 34; Snowy Egret, 65; Reddish Egret, 26; Louisiana Heron, 14; Little Blue Heron, 4; Yellow-crowned Night Heron, 2; Am. Bittern, 1; White-faced Ibis, 58; White Ibis, 111; Canada Goose, 7; Snow Goose, 220; Blue Goose, 35; Gadwall, 42; Am. Widgeon, 2214 (2000 est., 214); Pintail, 15,068 (15,000 est., 68); Green-winged Teal, 13; Shoveller, 258 (250 est., 8); Redhead, 200; Ring-necked Duck, 1; Canvas-back, 1; Greater Scaup, 3; Lesser Scaup, 697 (500 est., 197); Ruddy Duck, 50; Turkey Vulture, 53; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 2; White-tailed Hawk, 2; Marsh Hawk, 12; Sparrow Hawk, 13; Bob-white, 2; Sandhill Crane, 17; Florida Gallinule, 2; Am. Coot, 5134 (5000 est., 134); Piping Plover, 5; Snowy Plover, 5; Ringed Plover, 11; Mountain Plover, 42 (R.M.L.); Killdeer, 223; Black-bellied Plover, 118; Ruddy Turnstone, 10; Wilson's Snipe, 46; Long-billed Curlew, 920; Willet,

50; Greater Yellow-legs, 115; Lesser Yellow-legs, 18; Least Sandpiper, 148; Red-backed Sandpiper, 1508; Dowitcher, 746; Semipalmated Sandpiper, 200; Western Sandpiper, 1066; Marbled Godwit, 12; Sanderling, 40; Herring Gull, 375; Ring-billed Gull, 912; Laughing Gull, 678; Bonaparte's Gull, 8; Gull-billed Tern, 8; Forster's Tern, 70; Royal Tern, 11; **Cabot's Tern,** 3 (flying and feeding about Gulf Jetty; size, rapid and graceful flight, and long, narrow, dark bill noted—R.M.L.); Caspian Tern, 65; Black Skimmer, 521; Mourning Dove, 27; Ground Dove, 7; Inca Dove, 10; Road-runner, 2; Horned Owl, 1; Ruby-throated Hummingbird, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 6; Red-shafted Flicker, 8; Ladder-backed Woodpecker, 9; Eastern Phoebe, 32; Vermilion Flycatcher, 4; Horned Lark, 17; Black-crested Titmouse, 17; House Wren, 4; Bewick's Wren, 4; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 1; Mockingbird, 19; Brown Thrasher, 2; Sennett's Thrasher, 1; Sage Thrasher, 1 (C.N.H., K.R.); Am. Robin, 60; Hermit Thrush, 3; Blue-gray Gnatcatcher, 37; Ruby-crowned Kinglet, 15; Water Pipit, 208; Sprague's Pipit, 3; Loggerhead Shrike, 19; Common Starling, 71; **Tennessee Warbler,** 1 (Mrs. C.N.H.); Orange-crowned Warbler 2; Myrtle Warbler, 105; Audubon's Warbler, 6; Pine Warbler, 2; **Palm Warbler,** 1 (Mrs. C.N.H.); Common Yellow-throat, 14; House Sparrow, 103; Eastern Meadowlark, 278; Western Meadowlark, 2 (song); Red-winged Blackbird, 556; Rusty Blackbird, 3; Brewer's Blackbird, 800 (est.); Boat-tailed Grackle, 166; Brown-headed Cowbird, 1200 (est.); Cardinal, 27; Savannah Sparrow, 223 (100 est., 123); Grasshopper Sparrow, 2; Seaside Sparrow, 1; Vesper Sparrow, 35; Lark Sparrow, 20; White-throated Sparrow, 50; Lincoln's Sparrow, 3; Swamp Sparrow, 6. **Total,** 126 species; about 37,442 individuals. (Seen in area Dec. 26-31: Harris's Sparrow, Lesser Goldfinch, Golden-crowned Kinglet, Common Loon, Mottled Duck, Red-breasted Merganser, Cooper's Hawk, Audubon's Caracara, Clapper Rail, Spotted Sandpiper, Yellow-bellied Sapsucker, Eastern Bluebird, Solitary Vireo, Am. Goldfinch, Leconte's Sparrow.)—Conger N. Hagar, Katherine Richmond, D. P. Lockwood, E. A. Lockwood, R. M. Lockwood.

451. Santa Ana National Wildlife Refuge, Alamo (Hidalgo Co.), Tex. (same as last year).—Dec. 31; 6:15 a.m. to 6 p.m. Mostly cloudy or with broken clouds; temp. 44° to 58°; wind NW, 7½ m.p.h. Sixteen observers in 6 parties. Total party-hours, 136 (98 on foot, 38 by car); total party-miles, 176 (33 on foot, 143 by car). Least Grebe, 4; Pied-billed Grebe, 37; White Pelican, 3; Olivaceous Cormorant, 82; Water-turkey, 9; Great Blue Heron, 36; Am. Egret, 26; Snowy Egret, 8; Louisiana Heron, 1; Green Heron, 3; Black-crowned Night Heron, 6; Am. Bittern, 10; White-faced Ibis, 1; White Ibis, 9; Mallard, 12; Mottled Duck, 2; Gadwall, 527; Am. Widgeon, 11; Pintail, 1005; Green-winged Teal, 350; Blue-winged Teal, 122; Cinnamon Teal, 12; Shoveller, 54; Canvas-back, 4; Lesser Scaup, 123; Ruddy Duck, 14; Turkey Vulture, 41; Black Vulture, 97; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 12; Harris's Hawk, 11; Marsh Hawk, 32; Osprey, 1; Peregrine Falcon, 1; Sparrow Hawk, 29; Chachalaca, 12; Bob-white, 3; Virginia Rail, 13; Sora, 35; Florida Gallinule, 2; Am. Coot, 430; Killdeer, 22; Wilson's Snipe, 71; Spotted Sandpiper, 1; Greater Yellow-legs, 7; Least Sandpiper, 15; sandpiper (sp.?), 1; Red-billed Pigeon, 1 (hanger-on from nesting period); Mourning Dove, 764; Ground Dove, 34; Inca Dove, 19; White-fronted Dove, 21; Road-runner, 3; Groove-billed Ani, 1 (hanger-on from nesting period); Screech Owl, 5; Horned Owl, 5; Short-eared Owl, 1; Pauraque, 8; Belted Kingfisher, 1; Golden-fronted Woodpecker, 42; Yellow-bellied Sapsucker, 4; Ladder-backed Woodpecker, 65; **Tropical Kingbird,** 37; Derby Flycatcher, 44; Eastern Phoebe, 68; *Empidonax* flycatcher (sp.), 1 (observed at 30 ft.—L.C.G.); **wood pewee,** 2 (R.D.) [no details furnished by observer—Ed.]; Vermilion Flycatcher, 8; Green Jay, 59; Black-crested Titmouse, 27; Verdin, 4; House Wren, 36; **Winter Wren,** 4 (1st Count record); Bewick's Wren, 13; Carolina Wren, 12; Long-billed Marsh Wren, 4; Mockingbird, 56; Catbird, 2; Sennett's Thrasher, 17; Curve-billed Thrasher, 5; Am. Robin, 516; Hermit Thrush, 4; Eastern Bluebird, 31; Blue-gray Gnatcatcher, 129; Ruby-crowned Kinglet, 56; Water Pipit, 11; Cedar Waxwing, 82; Loggerhead Shrike, 13; White-eyed Vireo, 6; Solitary Vireo, 13; Yellow-green Vireo, 1 (hanger-on from nesting period); Black and White Warbler, 16; Orange-crowned Warbler, 18; Nashville Warbler, 12; Sennett's Warbler, 2; Myrtle Warbler, 54; Audubon's Warbler, 5; Black-throated Gray Warbler, 6; Black-throated Green Warbler, 8; Blackburnian Warbler, 1 (H.J.B.); Yellow-throated Warbler, 1; Common Yellow-throat, 57; **Yellow-breasted Chat,** 1 (observed at 25 ft. in willow-vine thicket on bank of Rio Grande—L.C.G., O.G.); House Sparrow, 90; Eastern Meadowlark, 60; Red-winged Blackbird, 2033; Audubon's Oriole, 31; Hooded Oriole (Sennett's), 1 (hanger-on from nesting period—Mrs. A.P.L., C.E.H., O.G., L.C.G.); Boat-tailed Grackle, 107; Brown-headed Cowbird, 242; Cardinal, 61; Sharpe's Seed-eater, 9; Am. Goldfinch, 19; Texas Sparrow, 6; Savannah Sparrow, 207; Grasshopper Sparrow, 1; Vesper Sparrow, 2; Lark Sparrow, 48; Black-throated Sparrow, 3; Chipping Sparrow, 2; Clay-colored Sparrow, 2; Field Sparrow, 1; White-crowned Sparrow, 3; White-throated Sparrow, 7; Lincoln's Sparrow, 35; Swamp Sparrow, 3; Song Sparrow, 10. **Total,** 128 species; 8714 individuals.—H. J. Bock, Robert Bock, Winnifred Bradway, Robert Drawe, Don Dreyer, Luther C. Goldman (compiler), Orville Goldman, C. E. Hudson, Jr., Mrs. A. P. Longland, Edgar McBurney, C. E. Moffett, C. N. Moore, John Morony, Katharine Young, Mary Young, George A. Unland.

452. Tyler, Tex. (7½-mile radius centering 3 miles south of Tyler, including city, Lake Tyler, Pleasure Acres, and 13 Club Lake; lakes 5%, cultivated 15%, wooded 20%, pasture 60%).—Dec. 27; 7 a.m. to 5 p.m. Dull and cloudy to overcast, raining at 2:30 p.m.; temp. 40° to 53°; wind S to SE, 12-15 m.p.h.; ground dry to wet. Eleven observers

in 5 parties. Total party-hours, 54½ (37 on foot, 17½ by car); total party-miles, 222 (30 on foot, 192 by car). Pied-billed Grebe, 24; White Pelican, 1 (apparently sick or injured; stayed in one place several hours and observed by numerous people—B.B.W.); Great Blue Heron, 4; Mallard, 52; Pintail, 19; Green-winged Teal, 15; Redhead, 6; Ring-necked Duck, 2; Canvas-back, 2; Greater Scaup, 11 (observed at length; larger than Lessers and sat higher in water—B.B.W.); Lesser Scaup, 7; Turkey Vulture, 41; Black Vulture, 22; Cooper's Hawk, 2; Red-tailed Hawk, 24; Red-shouldered Hawk, 9; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 24; Bob-white, 8; Am. Coot, 1881; Killdeer, 47; Wilson's Snipe, 3; Mourning Dove, 17; Road-runner, 1 (L.G.H., A.H.); Horned Owl, 3; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 67; Pileated Woodpecker, 2; Red-bellied Woodpecker, 50; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 65; Hairy Woodpecker, 6; Downy Woodpecker, 28; Eastern Phoebe, 14; Blue Jay, 206; Am. Crow, 142; Carolina Chickadee, 173; Tufted Titmouse, 77; White-breasted Nuthatch, 9; Brown Creeper, 16; House Wren, 1; Winter Wren, 2; Bewick's Wren, 7; Carolina Wren, 62; Mockingbird, 75; Brown Thrasher, 40; Am. Robin, 98; Hermit Thrush, 15; Eastern Bluebird, 184; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 80; Water Pipit, 15; Cedar Waxwing, 181; Loggerhead Shrike, 102; Common Starling, 2240 (±200, 240); Myrtle Warbler, 423; Pine Warbler, 17; House Sparrow, 216; Eastern Meadowlark, 115; Red-winged Blackbird, 26,290 (±1000, 290); Rusty Blackbird, 10,097 (±500, 97); Brewer's Blackbird, 336; Purple Grackle, 20,296 (±900, 296); Brown-headed Cowbird, 3775 (±300, 775); Cardinal, 226; Purple Finch, 19; Pine Siskin, 11; Am. Goldfinch, 97; Eastern Towhee, 70; Spotted Towhee, 11; Savannah Sparrow, 42; Grasshopper Sparrow, 1; Vesper Sparrow, 39; Slate-colored Junco, 308; Chipping Sparrow, 31; Field Sparrow, 230; Harris's Sparrow, 34; White-crowned Sparrow, 53; White-throated Sparrow, 431; Fox Sparrow, 37; Lincoln's Sparrow, 21; Swamp Sparrow, 32; Song Sparrow, 16. **Total,** 86 species; about 69,540 individuals.—Mr. and Mrs. O. C. Sheffield, B. B. Watson, Mr. and Mrs. Gaddis Taylor, Foster Johnson, Miss Michael Carmichael, Mr. and Mrs. F. L. Carmichael, L. G. Huey, Ann Huey (Tyler Audubon Society).

453. Billings, Mont. (7½-mile radius centering on Carter Oil Refinery in Yellowstone Valley between Billings and Huntley; irrigated farmlands 55%, upland pasture and wheatfields 15%, timbered bottoms 10%, marshes, drainage ditches, and river 10%, urban parks and yards 5%, rimrocks 5%).—Dec. 27; 8 a.m. to 5 p.m. Clear to partly cloudy; temp. 25° to 40°; wind W to NW, 5-15 m.p.h.; ground 20% covered with 1-in. crusted snow; margins and backwaters of Yellowstone River frozen, many small drains partly open. Fifteen observers in 5 parties. Total party-hours, 29 (19½ on foot, 9½ by car); total party-miles, 218½ (29½ on foot, 189 by car). Mallard, 5; Am. Golden-eye, 37; Am. Merganser, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 5; Ferruginous Hawk, 1; Golden Eagle, 4; Bald Eagle, 1; Marsh Hawk, 1; Prairie Falcon, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 58; Killdeer, 3; Belted Kingfisher, 2; Red-shafted Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 5; Am. Magpie, 223; Piñon Jay, 90; Black-capped Chickadee, 45; White-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 1; Townsend's Solitaire, 1; Gray Shrike, 5; Common Starling, 432; House Sparrow, 258; Western Meadowlark, 32; Common Redpoll, 1; Am. Goldfinch, 2; Am. Tree Sparrow, 122; Song Sparrow, 10. **Total,** 34 species; 1364 individuals.—Carson Bechtel, Elihu Berg, Marguerite Boerner, Wilfred Crabb, Mr. and Mrs. Robert Hamilton, Mr. and Mrs. William Hoheisel, John Leete, Mr. and Mrs. Robert Morrison, Liven Peterson (compiler), Winifred Stull, James Swain, Richard Swain (Billings Audubon Society).

454. Bozeman, Mont. (Bozeman, Montana State College campus, city parks and cemetery, city dump, out Sourdough Rd. to reservoir, up Bridger Canyon and return, Spring Hill area to Belgrade and Gallatin Airport and return to Bozeman; cultivated land 75%, rangeland 15%, trees and brush 5%, suburbs 2%, marsh 3%).—Dec. 26; 8 a.m. to 5 p.m. Overcast; temp. 26° to 32°; wind W to NW, calm to 20 m.p.h.; ground covered with 1-6-in. snow; all still water frozen. Two observers in 1 party. Total hours, 7½ (1 on foot, 6½ by car); total party-miles, 87 (2 on foot, 85 by car). Mallard, 39; Prairie Falcon, 1; Ring-necked Pheasant, 10; Wilson's Snipe, 2; Red-shafted Flicker, 6; Horned Lark, 1; Steller's Jay, 1; Am. Magpie, 90; Am. Crow, 3; Black-capped Chickadee, 9; Mountain Chickadee, 9; Brown Creeper, 1; Townsend's Solitaire, 1; **Loggerhead Shrike,** 4 (carefully observed in good light; complete lack of ventral barring noted); Common Starling, 250; House Sparrow, 350; Pine Grosbeak, 9; Gray-crowned Rosy Finch (Hepburn's), 60; Common Redpoll, 100; Oregon Junco (Pink-sided), 1; Am. Tree Sparrow, 1; Song Sparrow, 1. **Total,** 22 species; about 948 individuals.—C. V. Davis, H. N. Metcalf.

455. Fortine, Mont. (triangular area extending 3 miles west and 4 miles north of Fortine; fields and sparsely timbered hills 15%, second-growth fir-larch-lodgepole 40%, dense woods of fir-larch-yellow pine 20%, creek flats of mixed spruce-broadleaf 25%).—Dec. 26; 8 a.m. to 5 p.m. Partly cloudy, clear at mid-day; temp. 28° to 42°; wind SW, 2-10 m.p.h.; 2-4 in. crusted snow; all streams open. One observer. Total hours, 9 (on foot); total miles, 14 (on foot). Mallard, 13; Green-winged Teal, 3; Ruffed Grouse, 4; Wilson's Snipe, 4; Saw-whet Owl, 1; Belted Kingfisher, 4; Red-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 1; Gray Jay, 2; Am. Magpie, 6; Common Raven, 13; Clark's Nutcracker, 6; Black-capped Chickadee, 8; Mountain Chickadee, 12; Am. Dipper, 1; Pine Grosbeak, 29; Gray-crowned Rosy Finch (Hepburn's), 1; Snow Bunting, 28. **Total,** 19 species; 141 individuals.—Winton Weydemeyer.

456. Libby, Mont. (5-mile radius centering on Mineral Ave. and 9th St., and including area from Cherry Creek bridge on Highway 2 down Cherry and Libby creeks to mill ponds, city reservoir area, south bank of Kootenai River from town to mouth of Parmenter Creek, and at mouth of Cedar Creek, and northeast corner of South Libby hill; town and lumberyard 20%, deciduous growth along creeks and ponds 30%, mixed deciduous and coniferous woods 10%, open deciduous woods 3%, coniferous woods 25%, fields 2%, river 10%).—Dec. 29; 8 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 18° to 44°; wind SSE, 0-5 m.p.h.; 0-8-in. crusted snow; streams unfrozen; mill ponds, reservoir, and marshy areas along creeks frozen. Eight observers in 1-4 parties. Total party-hours, 17 1/3 (15 on foot, 2 1/3 by car); total party-miles, 43 (19½ on foot, 23½ by car). Great Blue Heron, 1; Mallard, 28; Green-winged Teal, 1; Am. Golden-eye, 3; Bald Eagle, 3; Ruffed Grouse, 4; Killdeer, 2; Belted Kingfisher, 4; Red-shafted Flicker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 2; Gray Jay, 5; Steller's Jay, 5; Am. Magpie, 1; Common Raven, 13; Black-capped Chickadee, 50; Mountain Chickadee, 5; Red-breasted Nuthatch, 1; **Am. Dipper,** 21; Townsend's Solitaire, 1; Golden-crowned Kinglet, 2; Bohemian Waxwing, 10; Evening Grosbeak, 19; Pine Grosbeak, 72; Oregon Junco, 11; Song Sparrow, 7. **Total,** 26 species; 280 individuals. (Seen in area Dec. 25: Brown Creeper, 1; Dec. 30: shrike (sp.), 1; House Sparrow, 49; Am. Robin, 1.)—Bruce Birmingham, Robert Cole, Ray Francom, Earl Maynard, Thomas Rogers (compiler), Richard Shelden, Robert Shelden, John Wilson.

457. Malta, Mont. (3½-mile radius centering in Bowdoin National Wildlife Refuge; pasture 60%, plowland 5%, deciduous shelter-belt groves 5%, frozen bulrush marsh 30%).—Dec. 29; 8:15 a.m. to 4:30 p.m. Clear; temp. 10° to 20°; wind S to SW, 4-5 m.p.h.; ground spotted 50% with 1-4-in. crusted snow; all water frozen. Two observers in 2 parties. Total party-hours, 14 (11 on foot, 3 by car); total party-miles, 35 (9 on foot, 26 by car). Canada Goose, 1; Mallard, 1; Golden Eagle, 4; European Partridge, 14; **Ring-necked Pheasant,** 1518; Horned Owl, 2; Snowy Owl, 2; Short-eared Owl, 1; Red-shafted Flicker, 9; Downy Woodpecker, 3; Horned Lark, 12; Am. Magpie, 7; House Sparrow, 19; **Yellow-headed Blackbird,** 1 (observed along fringe of marsh area; yellow head and white wing patch plainly visible); **Red-winged Blackbird,** 3 (1 collected); **Brewer's Blackbird,** 13 (all ♂s; closely observed in willows along marshy stream); Am. Tree Sparrow, 46; Snow Bunting, 11. **Total,** 18 species; about 1667 individuals.—Leon C. Snyder (compiler), Norman S. Haugness.

458. Casper, Wyo. (same as 1948 and subsequent years).—Dec. 27; 7:30 a.m. to 5 p.m. Clear, but snowing until noon on mountain; temp. 20° to 10°; wind SW, 5 m.p.h.; 4-in. very fresh snow on ground except mountain, which had 10-in. fresh snow on 18 in. hard base. Twelve observers in 4 parties. Total party-hours, 27 (15 on foot, 12 by car); total party-miles, 100 (15 on foot, 85 by car). Mallard, 345; Am. Golden-eye, 15; Goshawk, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Ferruginous Hawk, 1; **Golden Eagle,** 8; Bald Eagle, 1; Prairie Falcon, 1; Killdeer, 2; Wilson's Snipe, 11; Horned Owl, 5; Belted Kingfisher, 2; Red-shafted Flicker, 20; Hairy Woodpecker, 2; Downy Woodpecker, 9; Horned Lark, 45; Steller's Jay, 4; Am. Magpie, 224; Am. Crow, 1; Piñon Jay, 33; Clark's Nutcracker, 1; Black-capped Chickadee, 45; Mountain Chickadee, 53; White-breasted Nuthatch, 4; Brown Creeper, 3; Am. Robin, 8; Townsend's Solitaire, 10; Bohemian Waxwing, 16; Gray Shrike, 1; Common Starling, 157; House Sparrow, 239; **Gray-crowned Rosy Finch** (including Hepburn's, 2), 157; Pine Siskin, 2; Slate-colored Junco, 5; Oregon Junco (including Pink-sided, 2), 14; Am. Tree Sparrow, 184; Harris's Sparrow, 1; White-crowned Sparrow, 1; Song Sparrow, 26. **Total,** 41 species (2 additional subspecies); 1663 individuals. (We attribute to adverse weather on the mountain and approaches our missing Sage Hen and Blue Grouse.)—A. H. Brady, L. R. Burkhardt, E. Sue Gloriad, V. W. Jacquot, T. Masek, P. W. Netterstrom, Mrs. L. C. Rognstad, Dr. and Mrs. O. K. Scott, J. W. Yant, H. Yant, T. C. Wilson (Wyoming Audubon Society).

459. Aspen, Colo. (centering in Aspen, up Roaring Fork valley 4 miles, down 6 miles, up Castle Creek to Ashcroft, and up Maroon Creek 4 miles; town and farms 10%, spruce-cottonwood creek bottoms 70%, scrub oak, Ponderosa Pine, spruce-fir groups 20%).—Dec. 31; 9 a.m. to 4 p.m. Clear; temp. 10° to 30°; no wind; creeks half frozen; 1-4 ft. snow on ground. Three observers in 1½ parties. Total party-hours, 8½ (2½ on foot, 3 by car, 3 on skis); total party-miles, 58 (3 on foot, 52 by car, 3 on skis). Goshawk, 1; Rough-legged Hawk, 2 (?); Hairy Woodpecker, 1; Downy Woodpecker, 1; Steller's Jay, 11; Am. Magpie, 19; Common Raven, 1; Black-capped Chickadee, 34; Mountain Chickadee, 53; Brown Creeper, 8; Am. Dipper, 3; Am. Robin, 4; Townsend's Solitaire, 6; Golden-crowned Kinglet, 10; House Sparrow, 23; Oregon Junco, 20; Am. Tree Sparrow, 25; Song Sparrow, 2. **Total,** 18 species; 224 individuals. (Seen in area Dec. 30: Gray Jay, 2.)—James F. Hays, Hugh E. Kingery, Karl Kingery.

460. Boulder, Colo. (7½-mile radius centering 1 mile north of Boulder, east to Hoffman Lake, west to Gold Hill, north to Lefthand Canyon, south to South Boulder Rd.; streets and parks of town 20%, open farmland 45%, Ponderosa Pine forest 15%, reservoirs 10%, cottonwood stream bottom 5%, shrub thickets on canyon floor 5%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 24° to 38°; no wind; ground covered with about 2-in. snow, clear in patches; all lakes frozen except Boulder and Owen's. Nine observers in 2 parties. Total party-hours, 16 (11 on foot, 5 by car); total party-miles, 106 (5 on foot, 101 by car). **Western Grebe,** 2 (observed at 400-500 yds. with 30x telescope—all observers; several present just prior to Count); Mallard, 10,000 (±1000); Am.

Widgeon, 39; Pintail, 108; Am. Merganser, 4; Red-tailed Hawk, 1; Golden Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 65; Killdeer, 13; Wilson's Snipe, 7; Mourning Dove, 1; **Yellow-shafted Flicker,** 1 (♂, seen at close quarters; black malar stripe and red nuchal crescent as well as yellow under wings and tail noted—J.H., W.W.); Red-shafted Flicker, 42; Lewis's Woodpecker, 7; Yellow-bellied Sapsucker (Red-naped), 1; Hairy Woodpecker, 4; Downy Woodpecker, 3; Blue Jay, 1; Steller's Jay, 20; Am. Magpie, 74; Am. Crow, 36; Black-capped Chickadee, 18; Mountain Chickadee, 5; White-breasted Nuthatch, 1; Brown Creeper, 4; Am. Dipper, 1; Am. Robin, 61; Townsend's Solitaire, 7; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Gray Shrike, 5; Common Starling, 262 (200 est., 62); House Sparrow, 260 (200 est., 60); Western Meadowlark, 45; Red-winged Blackbird, 700 (±50); **Rusty Blackbird,** 7 (a flock observed at 100 ft. through 30x telescope—E.L.J., O.W., D.A., G.A.); Evening Grosbeak, 5; House Finch, 61; Pine Grosbeak, 17; **Common Redpoll,** 1 (observed closely through 30x telescope—E.L.J., O.W., D.A., G.A.); Pine Siskin, 1; Am. Goldfinch, 37; Slate-colored Junco, 12; Oregon Junco, 92 (Shufeldt's, 29; Pink-sided, 63); Gray-headed Junco, 34; unidentified juncos, 97; Am. Tree Sparrow, 82; White-crowned Sparrow, 6; White-throated Sparrow, 1 (one of 2 or 3 wintering individuals in area; at feeding tray and still present Mar. 25—O.W.); Song Sparrow, 5. **Total,** 51 species (1 additional subspecies); about 12,267 individuals.—Douglas, Gordon, and Marion Alexander, Dexter Hess, Eleanor and John Hough, Edna L. Johnson, William Weber, Olwen Williams (Univ. of Colorado).

461. Colorado Springs, Colo. (same as last year; foothills with conifer or oak growth 18%, farmland with cottonwood creek bottoms and reservoirs 26%, suburbs and city parks 24%, rolling plains 18%, mountains 14%).—Jan. 3; 8 a.m. to 5 p.m. Clear with a few small clouds; temp. 30° to 60°; wind SE, 0-15 m.p.h.; ground clear except 1-4-in. old snow in mountains; ponds low and frozen, creeks mostly frozen. Thirty-seven observers in 21 parties. Total party-hours, 88¼ (62 on foot, 26¼ by car); total party-miles, 492½ (55½ on foot, 437 by car). Great Blue Heron, 1; Mallard, 160; Gadwall, 47; Am. Widgeon, 2; Green-winged Teal, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Swainson's Hawk, 1 (observed on ground at 150 ft. with 20x glasses; dark phase; dark color below, dark under-wing surface with whitish patches, and bars across tail—E.P.); Rough-legged Hawk, 6; Ferruginous Hawk, 5; Golden Eagle, 12; Bald Eagle, 2; Marsh Hawk, 9; Prairie Falcon, 2; Pigeon Hawk, 2; Sparrow Hawk, 5; Ring-necked Pheasant, 30; Am. Coot, 1; Killdeer, 17; Wilson's Snipe, 12; Mourning Dove, 1 (L.N., L.C., B.M.); Horned Owl, 4; Belted Kingfisher, 9; Red-shafted Flicker, 139; Hairy Woodpecker, 18; Downy Woodpecker, 31; Horned Lark, 334; Gray Jay, 7 (M.S.); Steller's Jay, 306; Scrub Jay, 86; **Am. Magpie,** 475; Am. Crow, 106; Piñon Jay, 48; Clark's Nutcracker, 8; Black-capped Chickadee, 80; Mountain Chickadee, 134; **Plain Titmouse,** 1 (at feeder; small size, prominent crest, and inconspicuous markings noted—B.J.); Common Bushtit, 106; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 6 (2 at 9400 ft.—M.S.); Pygmy Nuthatch, 42; Brown Creeper, 22; Am. Dipper, 3; Cañon Wren, 9; Am. Robin, 44; Townsend's Solitaire, 13; Golden-crowned Kinglet, 58; Cedar Waxwing, 11; Gray Shrike, 1 (D.G.); Common Starling, 270; House Sparrow, 1476; Western Meadowlark, 198; Red-winged Blackbird, 300; Brewer's Blackbird, 15 (D.G.); Evening Grosbeak, 5; Cassin's Finch, 24; House Finch, 481; **Common Redpoll,** 5 (H.Wa.); Pine Siskin, 31; Am. Goldfinch, 25; **Lesser Goldfinch,** 2 (recognized by voice and coloration; small flock seen several times northeast of Colorado Springs—H.T., M.F.); Spotted Towhee, 21; **Vesper Sparrow,** 12 (recognized by white outer tail feathers, stripes underneath, and chestnut shoulder-patch seen at close distance—E.P.); White-winged Junco, 41; Slate-colored Junco, 66; Oregon Junco, 1400 (including Pink-sided, 784; Shufeldt's, 350; Montana, 21); Gray-headed Junco, 719; unidentified juncos, 75; Am. Tree Sparrow, 235; **Chipping Sparrow,** 11 (red crown, black line through eye, white line over eye, no central breast spot; observed with 20x glasses in small bushes near field of weeds—E.P., G.S., L.F.); **Clay-colored Sparrow,** 5 (light stripe through center of crown, brown ear-patches; observed closely with 20x glasses in field of weeds; scurried along ground when flushed—E.P.); White-crowned Sparrow, 79 (including White-crowned subspecies, 9; Gambel's, 27); **White-throated Sparrow,** 1 (recognized by song, white throat, and by striped head pattern with narrow central white stripe—E.P.); Song Sparrow, 101. **Total,** 74 species (3 additional subspecies); 8051 individuals. (Seen in area Dec. 27: Western Bluebird, 2; Brown Towhee, 1; Short-eared Owl, 2; Jan. 2: Long-billed Marsh Wren, 2; Common Raven, 1; Goshawk, 1.)—Mrs. T. L. Adams, Mr. and Mrs. G. L. Catlett, Mrs. Lavinia H. Curtis, Mrs. Louise B. da Cruz, Stanley Davis, Edna Dessaint, Mrs. Kenneth E. Ewing, Mrs. L. B. Field, Larry Field, Margaret H. Floyd, Capt. and Mrs. D. W. Galvin, Dr. Mary A. Hamilton, Bernhardina Johnson, Mrs. Marjorie B. Leavens, Mrs. Ruth McRoberts, Mrs. Betty Miller, Kent Nelson, Mrs. Ruth Nelson, Paul W. Nesbit, Mrs. Lillian Noble, Sgt. and Mrs. Eugene Parish, Mary Shirer, Mr. and Mrs. George Sinton, Mrs. F. V. Slifer, Mahlon Speers, Dr. Robert M. Stabler, Mrs. B. E. Sutton, Mrs. Helen B. Thurlow, James H. Turner (compiler), Pearl V. Turner, Mrs. H. J. Wagner, Mr. and Mrs. H. J. Weberbauer (Aiken Ornithological Society).

462. Denver and Jefferson Co., Colo. (same area and habitats as last 2 years).—Dec. 26; 5:45 a.m. to 5 p.m. Clear; temp. 20° to 45°; wind W, 2-10 m.p.h.; ground bare at lower elevations to 1-ft. snow in north canyons at higher elevations; streams and 5% of Marston Lake open, practically all other water frozen. Thirty observers in 10 parties. Total party-

hours, 96 (54 on foot, 42 by car); total party-miles, 554 (54 on foot, 500 by car). Pied-billed Grebe, 4; Canada Goose, 225; Mallard, 1553; Gadwall, 2; Am. Widgeon, 23; Pintail, 64; Green-winged Teal, 1; Shoveller, 1; **Wood Duck,** 1 (present prior to Count —J.F., H.W.); Ring-necked Duck, 1; Am. Golden-eye, 20; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 6; Goshawk, 1 (S.A., J.L.C., D.M.); Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 6; Golden Eagle, 1; Marsh Hawk, 3; **Prairie Falcon,** 2; Pigeon Hawk, 1; Sparrow Hawk, 23; unidentified buteos, 2; Ring-necked Pheasant, 173; Am. Coot, 41; Killdeer, 31; Wilson's Snipe, 21; Herring Gull, 30; Ring-billed Gull, 234; Horned Owl, 4; Long-eared Owl, 4; Short-eared Owl, 2; Belted Kingfisher, 6; Red-shafted Flicker, 98; Lewis's Woodpecker, 2; **Yellow-bellied Sapsucker,** 1 (F.K., J.H.); Hairy Woodpecker, 2; Downy Woodpecker (Batchelder's), 14 (including 1 probable Nelson's, recognized by excessive white spots on back—J.L.C.); Steller's Jay, 57; Scrub Jay, 13; **Am. Magpie,** 711; **Common Raven,** 9 (2 flocks—S.A., J.L.C., D.M., D.T., T.M., L.M.); Am. Crow, 238; Black-capped Chickadee, 113; Mountain Chickadee, 80; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 3; Pygmy Nuthatch, 185; Brown Creeper, 14; Am. Dipper, 5; **Winter Wren,** 2 ("staked out" prior to Count—DeMents, S.M., B.P.); Long-billed Marsh Wren, 4; **Cañon Wren,** 10; Am. Robin, 54; **Townsend's Solitaire,** 51; Golden-crowned Kinglet, 13; **Water Pipit,** 1 (S.A., J.L.C., D.M.); Cedar Waxwing, 19; Gray Shrike, 2; **Loggerhead Shrike,** 1 (size and lack of barring on sides of breast noted—R.G., A.B., R.S.); Common Starling, 351; House Sparrow, 898; Western Meadowlark, 371; Red-winged Blackbird, 582; Rusty Blackbird, 2 (S.A., J.L.C., D.M.); Brewer's Blackbird, 41; Evening Grosbeak, 1; Cassin's Finch, 4; House Finch, 305; Pine Grosbeak, 26 (a low-altitude invasion; seen 7 different times on Count); unidentified rosy finches, 44; Pine Siskin, 43; Am. Goldfinch, 40; Red Crossbill, 10; Spotted Towhee, 11; White-winged Junco, 26; Slate-colored Junco, 25; Oregon Junco, 1068 (including Pink-sided, 954); **Gray-headed Junco,** 187; unidentified juncos, 109; Am. Tree Sparrow, 370; Harris's Sparrow, 2; White-crowned Sparrow, 171; **Swamp Sparrow,** 1 (recognized by chestnut crown and white throat—J.L.C.; 2 recorded from same marsh in Nov.); Song Sparrow, 134. **Total,** 85 species (2 additional subspecies); 9029 individuals.—Sally Allen, Arthur Bennett, Mr. and Mrs. Peter Bonnema, John L. Chapin (compiler), Mrs. M. E. Crow, Buryl Cummins, John and Margaret Douglass, David, Gerald, Ruth, and Ted DeMent, John Flavin, Robert Glover, James Humphrey, Ferd Kleinschnitz, Beth Lederer, Lucy and Thompson Marsh, Bob and Mary Carol Massonneau, Vera Mathews, Don McLean, Sadie Morrison, Bess Phelen, Ranson Stone, Donald Thatcher, Harold Webster, Ruth Wheeler.

463. Durango, Colo. (south from town to Bondad, 15 miles, principally in Animas River valley, with side trips across Florida Mesa into Florida River valley; scrub oak and piñon 50%, open farmland 15%, cottonwood and willow thickets 10%, sage-brush 25%; elevation 6000-7000 ft.).—Dec. 26; 7:15 a.m. to 4:30 p.m. Clear; temp. 8° to 40°; wind 5 m.p.h.; ground partially covered with old crusted snow; ponds frozen, rivers edged with ice and frozen over in quiet places. Five observers in 1 party. Total hours, 9 (3 on foot, 6 by car); total party-miles, 95 (10 on foot, 85 by car). Great Blue Heron, 1; Mallard, 40; Cinnamon Teal, 5; Ring-necked Duck, 11; Am. Golden-eye, 12; Am. Merganser, 12; Red-tailed Hawk, 4; Bald Eagle, 4; Marsh Hawk, 2; Sparrow Hawk, 2; Killdeer, 1; Belted Kingfisher, 1; Red-shafted Flicker, 5; Downy Woodpecker, 2; Steller's Jay, 2; Scrub Jay, 7; Am. Magpie, 190; Common Raven, 8; Am. Crow, 8; Piñon Jay, 45; Black-capped Chickadee, 6; Pygmy Nuthatch, 1; Am. Dipper, 4; Western Bluebird, 7; Cedar Waxwing, 12; Common Starling, 25; House Sparrow, 225; Western Meadowlark, 8; Red-winged Blackbird, 2; House Finch, 12; Pine Siskin, 50; Am. Goldfinch, 70; Oregon Junco, 560 (including Pink-sided, 15); Gray-headed Junco, 115; Am. Tree Sparrow, 13; White-crowned Sparrow, 4; Song Sparrow, 4. **Total,** 38 species (1 additional subspecies); about 1495 individuals.—J. L. Borden (compiler), Marion B. Borden, Dr. R. W. Dawson, Thomas Frizell, Oppie Reames.

464. Fort Collins, Colo. (same area as 1948 and subsequent years).—Dec. 28; 7 a.m. to 5 p.m.; Clear; temp. 3° to 50°; wind variable, 1-6 m.p.h.; lakes and portions of rivers frozen; ground clear except for scattering of snow in mountains. Eleven observers in 3 parties. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 150 (15 on foot, 135 by car). Great Blue Heron, 3; Black-crowned Night Heron, 1 (P.H.B.); Mallard, 550; Green-winged Teal, 3; Am. Golden-eye, 8; Am. Merganser, 5; Red-tailed Hawk, 5; Rough-legged Hawk, 2; Golden Eagle, 2; Marsh Hawk, 4; Prairie Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 3; Scaled Quail (introduced), 25; Ring-necked Pheasant, 14; Killdeer, 20; Wilson's Snipe, 2; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 1 (hybrid); Red-shafted Flicker, 64; Lewis's Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 9; Horned Lark, 1; Steller's Jay, 16; Am. Magpie, 102; Black-capped Chickadee, 61; Mountain Chickadee, 33; Red-breasted Nuthatch, 3; Brown Creeper, 6; Am. Dipper, 9; Cañon Wren, 9; Townsend's Solitaire, 6; Gray Shrike, 1; **Loggerhead Shrike,** 2 (J.R.G.); Common Starling, 69; House Sparrow, 262; Western Meadowlark, 43; Red-winged Blackbird, 307; Rusty Blackbird, 3 (J.R.G.); Cassin's Finch, 51; House Finch, 78; Am. Goldfinch, 83; Slate-colored Junco, 4; Oregon Junco, 206; Gray-headed Junco, 2; Am. Tree Sparrow, 619; Harris's Sparrow, 1 (R.G.B.); White-crowned Sparrow, 81; Song Sparrow, 38; **Total,** 50 species (1 additional hybrid); 2828 individuals. (Seen in area Dec. 24: Mourning Dove, 1; Dec. 26: Cedar Waxwing, 16; Dec. 29: Blue Jay, 2; Dec. 30: Yellow-bellied Sapsucker [Red-naped], 1; Dec. 31: Evening Grosbeak, 3.)—Paul H., Sarah, and Owen Baldwin, Richard G. and Reba Beidleman,

Jack and William R. Grieb, Roger Kirkman, J. R. Olive, John Olsen, Ed Reed (Colorado A & M College).

465. Grand Junction, Colo. (5-mile radius including Grand Junction and along Colorado River 10 miles to Fruita, north 5 miles, east 2 miles, and return through side roads, farms, pastures, and some orchards).—Jan. 3; 8:30 a.m. to 5 p.m. Temp. 40° to 50°; no wind; no snow on ground. Four observers in 1 party. Total hours, 8½; total miles, 51 (4 on foot, 47 by car). Great Blue Heron, 1; Mallard, 51; Am. Widgeon, 1; Green-winged Teal, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 3; Pigeon Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 6; Killdeer, 1; Belted Kingfisher, 1; Red-shafted Flicker, 20; Hairy Woodpecker, 2; Downy Woodpecker, 1; Say's Phoebe, 1 (observed hovering above weeds along roadside); Am. Magpie, 49; Common Raven, 2; Black-capped Chickadee, 6; Mountain Chickadee, 2; White-breasted Nuthatch, 1; Bewick's Wren, 2; Mountain Bluebird, 41; Loggerhead Shrike, 9; Common Starling, 70; House Sparrow, 500 (est.); Western Meadowlark, 45; Red-winged Blackbird, 2250; Brown-headed Cowbird, 12; Evening Grosbeak, 4; House Finch, 9; Am. Goldfinch, 50; Slate-colored Junco, 25; Oregon Junco, 12; Gray-headed Junco, 35; White-crowned Sparrow, 80; Song Sparrow, 4. **Total,** 39 species; about 3321 individuals.—W. D. Ela, Lucy F. Ela, Edna A. Gerken, Edith B. Carman (compiler).

466. Idaho Springs, Colo. (same area and habitats as last year but including Berthoud Pass, elevation 11,300 ft.).—Jan. 2; 6:50 a.m. to 4:50 p.m. Clear; temp. 8° to 30°; wind NW, 15-50 m.p.h.; bare ground to drifts several feet deep; small portions of creeks open at lower elevations. Nine observers in 4 parties. Total party-hours, 36 (19 on foot, 16 by car, 1 by snowshoe); total party-miles, 281 (20 on foot, 260 by car, 1 by snowshoe). Goshawk, 1 (D.T.); Red-tailed Hawk, 1; Golden Eagle, 1; Red-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 3; Gray Jay, 3; **Steller's Jay,** 79; Am. Magpie, 23; Common Raven, 9; **Clark's Nutcracker,** 45; Black-capped Chickadee, 9; **Mountain Chickadee,** 111; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 11; Pygmy Nuthatch, 14; Brown Creeper, 9; Am. Dipper, 2; Cañon Wren, 2 (apparently living in and around abandoned mines; seen and heard in 2 different locations—J.L.C., S.M.); Am. Robin, 36; **Townsend's Solitaire,** 64; Bohemian Waxwing, 100 (est.); House Sparrow, 32; Pine Grosbeak, 6; Gray-crowned Rosy Finch, 2; Black Rosy Finch, 4; **Brown-capped Rosy Finch,** 2; unidentified rosy finches, 20; Pine Siskin, 1; **Red Crossbill,** 63; White-winged Junco, 4; Slate-colored Junco, 10; Oregon Junco, 82 (including Pink-sided, 65); **Gray-headed Junco,** 124; White-throated Sparrow, 1. **Total,** 34 species (1 additional subspecies); about 881 individuals. The 3 species of rosy finches and the White-throated Sparrow were all seen at the Scudder's feeder at Georgetown where they have been all winter and where all of the rosy finches have been collected in previous years—R.G., D.J., A.B.).—Arthur Bennett, John Chapin, John Flavin, Robert Glover, David Juergens, Ferd Kleinschnitz, Sadie Morrison, Joe Taylor, Donald Thatcher.

467. Longmont, Colo. (same area as previous years, Union Reservoir and numerous small reservoirs, St. Vrain River, Left Hand Creek, and Little Thompson River, seepage ditches, marshes, open farmland, roadsides, and city parks).—Dec. 28; 7 a.m. to 4 p.m. Sunny; temp. 7° to 52°; wind NW, 0-5 m.p.h.; ground bare; small areas of open water at Union Reservoir and Ballard Lake, other lakes frozen, rivers 75% frozen. Four observers in 2 parties. Total party-hours, 18 (7 on foot, 11 by car); total party-miles, 110 (8 on foot, 102 by car). Mallard, 15,000 (est.); Pintail, 2; Green-winged Teal, 100; Am. Golden-eye, 1; Am. Merganser, 12; Red-tailed Hawk, 2; Rough-legged Hawk, 5; Golden Eagle, 1; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 2; Ring-necked Pheasant, 47; Killdeer, 4; Wilson's Snipe, 8; Herring Gull, 29; Ring-billed Gull, 130; **Short-eared Owl,** 4; Belted Kingfisher, 8; Red-shafted Flicker, 64; Lewis's Woodpecker, 7; Downy Woodpecker, 1; Horned Lark, 135; Steller's Jay, 2; Scrub Jay, 4; Am. Magpie, 87; Am. Crow, 545; Black-capped Chickadee, 25; Brown Creeper, 1; Am. Dipper, 7; **Long-billed Marsh Wren,** 1; Am. Robin, 1; Gray Shrike, 2; Common Starling, 1081; House Sparrow, 368; Western Meadowlark, 256; Red-winged Blackbird, 3295; Brewer's Blackbird, 38; Cassin's Finch, 32; House Finch, 79; **Pine Grosbeak,** 18; Pine Siskin, 1; Am. Goldfinch, 5; Slate-colored Junco, 3; Oregon Junco, 38 (including 31 Pink-sided); Gray-headed Junco, 1; Am. Tree Sparrow, 372; White-crowned Sparrow, 105; **Swamp Sparrow,** 2 (observed at 20 ft. in cattail marsh in full sunshine; all identifying marks noted—J.H.A.); Song Sparrow, 20. **Total,** 49 species (1 additional subspecies); about 21,959 individuals. (Seen in area Dec. 26: Prairie Falcon, Hairy Woodpecker.)—Jay H. Arnold, Mrs. Carl N. Collister (compiler), Mrs. Nina Stultz, Mrs. John Thielen.

468. Lyons, Colo. (same area as last year and previously; farmland 30%, cottonwood creek bottoms 35%, Ponderosa Pine-Douglas Fir 20%, Blue Spruce creek bottoms 15%).—Dec. 27; 7:50 a.m. to 4 p.m. Cloudy to clear, snow flurries in late a.m.; temp. 15° to 30°; wind W, 15 m.p.h. in a.m. only; ground clear in a.m., by noon covered with 1-2-in. snow, except on Steamboat Mountain; all reservoirs frozen, streams mostly open. Three observers in 1½ parties. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 70 (10 on foot, 60 by car). Mallard, 2; Am. Golden-eye, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 28; Killdeer, 21; Wilson's Snipe, 5; Herring Gull, 102; Belted Kingfisher, 13; Red-shafted Flicker, 31; Lewis's Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Steller's Jay, 49; Am. Magpie, 118; Am. Crow, 120; Black-capped Chickadee, 10; Mountain Chickadee, 69; **Common**

Bushtit, 17 (2 flocks in same areas as in 1948 and 1950—H.E.K.); White-breasted Nuthatch, 9; Pygmy Nuthatch, 54; Brown Creeper, 3; **Am. Dipper,** 28 (driven downstream into area by freezing of upper reaches of the St. Vrain just prior to Count date); Am. Robin, 33; Townsend's Solitaire, 7; Golden-crowned Kinglet, 12; Common Starling, 7; House Sparrow, 24; Western Meadowlark, 62; Red-winged Blackbird, 58; Evening Grosbeak, 29; Cassin's Finch, 4; House Finch, 8; Pine Grosbeak, 19; Pine Siskin, 8; Am. Goldfinch, 33; Red Crossbill, 8; Spotted Towhee, 1; White-winged Junco, 5; Slate-colored Junco, 11; Oregon Junco, 462 (mostly Pink-sided); Gray-headed Junco, 32; unidentified juncos, 30; Am. Tree Sparrow, 120; White-crowned Sparrow, 2; Song Sparrow, 2. **Total,** 46 species (1 additional subspecies); 1665 individuals. (Seen in area Dec. 21: Short-eared Owl, 1; Gray-crowned Rosy Finch, 240.) —James F. Hays, Hugh E. Kingery, Karl Kingery.

469. Paonia, Colo. (5-mile radius of Paonia, Delta County; irrigated farm and orchard 35%, piñon juniper 30%, cottonwood riverbottom 20%, scrub oak 15%).—Dec. 30; 8 a.m. to 5 p.m. Clear; temp. 6° to 35°; wind W, 10 m.p.h.; ground covered with 0-9-in. snow; ice on river. One observer. Total hours, 7½ (3½ on foot, 4 by car); total miles, 64 (3 on foot, 61 by car). Mallard, 9; Green-winged Teal, 2; Red-tailed Hawk, 2; Sparrow Hawk, 2; Gambel's Quail, 22; Ring-necked Pheasant, 2; Killdeer, 1; Red-shafted Flicker, 9; Lewis's Woodpecker, 3; Scrub Jay, 2; Am. Magpie, 27; Black-capped Chickadee, 1; Plain Titmouse, 8; Western Bluebird, 19; Mountain Bluebird, 1; Townsend's Solitaire, 9; Western Meadowlark, 8; Red-winged Blackbird, 256 (256±30); House Finch, 22; Gray-crowned Rosy Finch, 137; Oregon Junco, 62; Gray-headed Junco, 141; White-crowned Sparrow, 19; Song Sparrow, 64. **Total,** 24 species; about 828 individuals.—Homer V. Griffin.

470. Bitter Lake National Wildlife Refuge, Roswell, N. Mex. (same area as covered in 1952 then along road to Highway 70 to suburbs of Roswell, by-roads around Roswell, and campus of New Mexico Military Institute; ponds and dikes 70%, tamarisk thickets 5%, grassy uplands 5%, irrigated farmland 15%, lawns and campus 5%).—Jan. 3; 6 a.m. to 6:30 p.m. Clear; temp. 18° to 60°; wind NW to E, 2-11 m.p.h.; empoundments and ponds mostly frozen. Twelve observers in 4 parties. Total party-hours, 82 (20 on foot, 62 by car); total party-miles, 92 (10 on foot, 82 by car). Pied-billed Grebe, 8; Great Blue Heron, 20; Am. Egret, 1; Black-crowned Night Heron, 13; Am. Bittern, 3; Whistling Swan, 1; Canada Goose, 105; Snow Goose, 3; Mallard, 3406; Gadwall, 154; Am. Widgeon, 14,115; Pintail, 6523; Green-winged Teal, 25; Shoveller, 797; Redhead, 50; Ring-necked Duck, 308; Lesser Scaup, 29; Am. Golden-eye, 26; Buffle-head, 37; Ruddy Duck, 97; Hooded Merganser, 4; Am. Merganser, 154; Red-breasted Merganser, 2 (♂'s, red breasts and white collars noted—Mr. and Mrs. F.J.F.); Cooper's Hawk, 2; Red-tailed Hawk, 3; Swainson's Hawk, 1 [no details—Ed.]; Rough-legged Hawk, 4; Ferruginous Hawk, 4; Golden Eagle, 2; Marsh Hawk, 17; Pigeon Hawk, 2; Sparrow Hawk, 3; Scaled Quail, 48; Sandhill Crane, 6763; Am. Coot, 1855; Killdeer, 6; Wilson's Snipe, 3; Greater Yellow-legs, 16; Least Sandpiper, 12 (S.T.); Herring Gull, 1; Ring-billed Gull, 200; Mourning Dove, 4; Road-runner, 2; Horned Owl, 2; Burrowing Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 2; Red-shafted Flicker, 35; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Say's Phoebe, 5; Horned Lark, 13; Scrub Jay, 4; Red-breasted Nuthatch, 2; Bewick's Wren, 2; Long-billed Marsh Wren, 10; Sage Thrasher, 1; Am. Robin, 1; Ruby-crowned Kinglet, 1; Water Pipit, 307; Loggerhead Shrike, 11; Common Starling, 27; Audubon's Warbler, 1; House Sparrow, 1500 (est.); Western Meadowlark, 35; Red-winged Blackbird, 22; **Brewer's Blackbird,** 30,000 (est.); Brown-headed Cowbird, 120; Cardinal, 1 (at feeding station); House Finch, 3; Am. Goldfinch, 28; Savannah Sparrow, 9 (V.M.); **Leconte's Sparrow,** 10 (1 obs. R.J.F.); **Sage Sparrow,** 52; Slate-colored Junco, 1; Oregon Junco, 101 (including Pink-sided, 34); White-crowned Sparrow (Gambel's), 380; White-throated Sparrow, 1 (F.J.F.); Lincoln's Sparrow, 9; Swamp Sparrow, 3 (R.J.F.); Song Sparrow, 109. **Total,** 81 species (1 additional subspecies); about 67,643 individuals.—Raymond J. Fleetwood (compiler), Ray H. Hunter, Roe E. Meyer, Mr. and Mrs. F. J. Freeman, Allen E. Anderson, Marion Embrey, Vester Montgomery, James H. Sikes, D. L. Boggs, R. A. Garrott, Sam E. Tanner.

471. Bosque del Apache National Wildlife Refuge, San Antonio, N. Mex. (area around headquarters and that part of refuge between Rio Grande River, Highway 85, north and south boundaries of refuge; along southwest boundary of refuge to Willow Springs thence along Highway 85 to San Antonio and a mile northward; ponds and dikes 65%, creosote-mesquite upland 10%, irrigated farmland 20%, cottonwood-willow-tamarisk bottomland 5%).—Dec. 26; 6 a.m. to 5 p.m. Clear with overcast sky in p.m.; temp. 10° to 51°; no wind; ponds frozen but some drainage ditches open; 2-in. snow on ground at Willow Springs. Three observers in 2 parties. Total party-hours, 21 (6 on foot, 15 by car); total party-miles, 67 (5 on foot, 62 by car). Pied-billed Grebe, 3; Great Blue Heron, 36; Black-crowned Night Heron, 14; Canada Goose, 975; Snow Goose, 300; Blue Goose, 4; Mallard, 10,585; Gadwall, 125; Am. Widgeon, 24; Pintail, 8658; Green-winged Teal, 288; Shoveller, 165; Redhead, 6; Ring-necked Duck, 12; Am. Golden-eye, 1; Buffle-head, 9; Hooded Merganser, 5; Am. Merganser, 628; Cooper's Hawk, 5; Red-tailed Hawk, 5; Rough-legged Hawk, 3; Golden Eagle, 10; Bald Eagle, 2; Marsh Hawk, 20; Sparrow Hawk, 10; Gambel's Quail, 224 (5 coveys); Ring-necked Pheasant, 2; Sandhill Crane, 6; Virginia Rail, 2; Sora, 1; Am. Coot, 48; Killdeer, 2; Wilson's Snipe, 1; Least Sandpiper, 4; Mourning Dove, 56; Road-runner, 3; Barn Owl, 1; Horned Owl, 3; Belted Kingfisher, 1; Red-shafted Flicker, 38; Hairy Woodpecker, 1; Ladder-backed Wood-

pecker, 14; Say's Phoebe, 9; Scrub Jay, 1; Am. Magpie, 5; Mountain Chickadee, 2; White-breasted Nuthatch, 2; House Wren, 1; Bewick's Wren, 3; Long-billed Marsh Wren, 1; Crissal Thrasher, 3; Western Bluebird, 17; Ruby-crowned Kinglet, 2; Water Pipit, 4; Loggerhead Shrike, 15; Common Starling, 420; Audubon's Warbler, 7; House Sparrow, 25; Western Meadowlark, 34; Yellow-headed Blackbird, 30; Red-winged Blackbird, 35,680; Brewer's Blackbird, 1250; Boat-tailed Grackle, 18; House Finch, 32; Pine Siskin, 17; Am. Goldfinch, 39; Green-tailed Towhee, 1; Spotted Towhee, 4; Brown Towhee (Cañon), 2; Savannah Sparrow, 8; Vesper Sparrow, 97; Sage Sparrow, 5; Oregon Junco, 165; White-crowned Sparrow (Gambel's), 386; Swamp Sparrow, 2 (observed in smaller, slow-running ditches; clear gray breast, rufous shoulders and crown—F.J.F.); Song Sparrow, 149. **Total,** 74 species; about 60,736 individuals.—Raymond J. Fleetwood (compiler), Homer S. Musgrave, F. J. Freeman.

472. **Clayton, N. Mex.** (town of Clayton and south 3 miles to cottonwood grove along wide-bottomed sandy creek; north 4 miles to and ½ mile in Paradise Canyon [300-ft. deep gash partly through lava with scrub cedar and oak brush on slopes, and spring-fed marsh in bottom]; west 7 miles to and over part of Otto Ranch [gramma grass prairie], including look at lake and 2 miles along cottowood- and willow-lined Perico Creek).—Dec. 30; 8:30 a.m. to 5:30 p.m. Clear; temp. 24° to 44°; wind NNW, 4-8 m.p.h.; dry underfoot except bit of old snow in sheltered spots; still water frozen; av. elev. 5200 ft. Five observers in 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 43 (8 on foot, 35 by car). Canada Goose, 2; Mallard, 55; Lesser Scaup, 1; Rough-legged Hawk, 3; Ferruginous Hawk, 2; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Scaled Quail, 125; Mourning Dove, 10; Road-runner, 1; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 4; Horned Lark, 204; Scrub Jay, 1; Am. Magpie, 18; Black-capped Chickadee, 2; Common Bushtit, 1; Am. Robin, 30; Townsend's Solitaire, 6; Loggerhead Shrike, 3; Common Starling, 315; House Sparrow, 250; Western Meadowlark, 49; Red-winged Blackbird, 250; Spotted Towhee, 1; Savannah Sparrow, 3; Black-throated Sparrow, 3 (F.M.K.); White-winged Junco, 1; Slate-colored Junco, 2; Oregon Junco, 283 (including 68 Pink-sided); Am. Tree Sparrow, 10; White-crowned Sparrow, 1; Song Sparrow, 4. **Total,** 35 species (1 additional subspecies); about 1648 individuals. (Seen in Count area: Dec. 25: Am. Crow, 3; Jan. 3: Killdeer, 3; Golden Eagle, 2; Pine Siskin, 1; Ladder-backed Woodpecker, 2.)—W. W. Cook, Adolph J. Krehbiel (compiler), Frances M. Krehbiel, Bill Snoeberger, Paul W. Snoeberger.

473. **Estancia, N. Mex.** (7½-mile radius centering 15 miles south of Estancia, south of U.S. 60; open prairie 20%, rolling sagebrush flats 10%, juniper foothills 30%, juniper-piñon pine 40%).—Jan. 3; 7:15 a.m. to 4 p.m. Clear; temp. 25° to 55°; wind SW to NE, 5-10 m.p.h.; all stock tanks frozen. Three observers in 1 party. Total hours, 8¾ (all on horseback); total miles, 17 (all on horseback). Red-tailed Hawk, 1; Rough-legged Hawk, 2; Golden Eagle, 3; Scaled Quail, 78; Road-runner, 1; Horned Owl, 1; Red-shafted Flicker, 35; Horned Lark, 166; Common Raven, 4; Piñon Jay, 6; Mountain Chickadee, 26; **Sage Thrasher,** 20; Am. Robin, 242; Mountain Bluebird, 540; Loggerhead Shrike, 5; House Sparrow, 15; Western Meadowlark, 3; House Finch, 35; **Brown Towhee** (Cañon), 45; Slate-colored Junco, 200; Oregon Junco, 50; Gray-headed Junco, 48; White-crowned Sparrow, 12. **Total,** 23 species; about 1538 individuals. An exceptionally good crop of juniper berries and abundance of water in an otherwise arid region may have accounted for numbers of Sage Thrasher and Brown Towhee. No ready explanation to account for high ratio of Slate-colored Juncos. —James C. Penwell, Jack Dean, Gloria J. Penwell (compiler).

474. **Los Alamos, N. Mex.** (7½-mile radius centering on Tsankawi Ruins, Bandelier, N. Mex., and including Los Alamos, the Rio Grande near Española, Frijoles Canyon, and White Rock Canyon section of the Rio Grande; riverbottoms, alder, cottonwood brush with yellow pine and juniper 25%, yellow pine on mesas 25%, piñon-juniper 50%; altitude: 5500-7500 ft.).—Dec. 27; 7 a.m. to 3 p.m. Cloudy; temp. 20° to 30°; wind variable, about 1-5 m.p.h.; ground clear except on north side of canyons; streams clear; snowing in higher mountains. Seven observers in 3 parties. Total party-hours, 38 (28 on foot, 10 by car); total party-miles, 282 (36 on foot, 246 by car). Canada Goose, 8; Mallard, 26; Am. Golden-eye, 7; Red-breasted Merganser, 1; unidentified ducks, 4; Red-tailed Hawk, 1; Gambel's Quail, 30 (1 covey); Ring-billed Gull, 2; Mourning Dove, 2; Red-shafted Flicker, 32; Hairy Woodpecker, 1; Downy Woodpecker, 1; Steller's Jay, 18; Scrub Jay, 5; Am. Magpie, 6; Common Raven, 6; Piñon Jay, 12; Black-capped Chickadee, 5; Mountain Chickadee, 10; Pygmy Nuthatch, 6; Rock Wren, 6; Am. Robin, 122; Townsend's Solitaire, 3; House Sparrow, 23; Red-winged Blackbird, 1; Brewer's Blackbird, 53; Brown Towhee, 3; Oregon Junco, 85 (including Pink-sided, 15); Gray-headed Junco, 357; Chipping Sparrow, 1; Song Sparrow, 4. **Total,** 30 species (1 additional subspecies); 841 individuals. (Seen in area Dec. 26: Mountain Bluebird, 2; Dec. 31: Clark's Nutcracker, 6; Belted Kingfisher, 1; Ruby-crowned Kinglet, 1; Western Bluebird, 4; Audubon's Warbler, 1.)—Carl W. Bjorklund, Marilyn Bjorklund, Don T. Cromer, Marge Cromer, M. Vincent Mowbray, Carl E. Snider, Patricia R. Snider (compiler) (Los Alamos Bird Club).

475. **Santa Fe, N. Mex.** (7½-mile radius centering on Plaza, west along Agua Fria to golf course, east in mountains to Hyde Park, south to Arroyo Hondo, north to Tesuque Ponds; forested Canadian zone 20%, piñon-juniper 60%, town 12%, farmland 4%, open prairie 4%).—Dec. 29; 7 a.m. to 4:45 p.m. Clear to partly cloudy; temp. 10° to 35°; wind W, 0-10 m.p.h.; scattered snow patches throughout

area, with heavy snow in mountains; all water closed except part of Tesuque Ponds. Three observers in 3 parties. Total party-hours, 13½ (6½ on foot, 7 by car); total party-miles, 64 (4 on foot, 60 by car). Red-tailed Hawk, 1; Golden Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Scaled Quail, 6; Gambel's Quail, 40; Killdeer, 1; Mourning Dove, 1; Road-runner, 1; Red-shafted Flicker, 5; Yellow-bellied Sapsucker, 1; Three-toed Woodpecker, 2; Horned Lark, 6; Gray Jay, 3; Steller's Jay, 5; Scrub Jay, 31; Common Raven, 67; Am. Crow, 2; Piñon Jay, 391 (250± 10, 141); Clark's Nutcracker, 1; Black-capped Chickadee, 1; Mountain Chickadee, 10; Plain Titmouse, 7; White-breasted Nuthatch, 2; Pygmy Nuthatch, 15; Am. Robin, 105 (100±10, 5); Western Bluebird, 59; Mountain Bluebird, 9; Townsend's Solitaire, 19; Water Pipit, 6; Loggerhead Shrike, 1; Common Starling, 107; House Sparrow, 68; Western Meadowlark, 2; Red-winged Blackbird, 51; Brewer's Blackbird, 103; Brown-headed Cowbird, 146; Cassin's Finch, 4; House Finch, 25; Pine Siskin, 14; Lesser Goldfinch, 1; Spotted Towhee, 2; Brown Towhee, 13; Lark Sparrow, 1; Slate-colored Junco, 3; Oregon Junco, 138 (including Pink-sided, 55); Gray-headed Junco, 109 (including Red-backed, 1); unidentified juncos, 875 (±50); White-crowned Sparrow, 52 (Gambel's, 51; White-crowned, 1—E.F.P.); Song Sparrow, 27. **Total,** 49 species (3 additional subspecies); about 2533 individuals.—J. K. Jensen, D. MacDonald (compiler), E. F. Porter.

476. **Socorro, N. Mex.** (vicinity of McAlister Lake, Pueblito, Escondida, along riverside dike from Escondida to Hope farm, thence to Box Canyon via Highway 60 and vicinity of Socorro; cattail marsh 5%, river bosque 50%, irrigated farmland 30%, mesquite-creosote bush upland 5%, juniper-oak foothills 10%).—Dec. 25; 6 a.m. to 5:30 p.m. Clear; temp. 5° to 49°; no wind; ponds and ditches mostly frozen, ice jams in river; 1-in. snow on juniper-oak foothills. One observer. Total hours, 10 (6 on foot, 4 by car); total miles, 30 (7 on foot, 23 by car). Canada Goose, 11; Mallard, 13; Cooper's Hawk, 3; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 9; Gambel's Quail, 27 (2 coveys); Ring-necked Pheasant, 7; Sandhill Crane, 321; Killdeer, 4; Mourning Dove, 180; Road-runner, 3; Horned Owl, 2; Red-shafted Flicker, 20; Hairy Woodpecker, 3; Ladder-backed Woodpecker, 7; Say's Phoebe, 10; Horned Lark, 295; Scrub Jay, 1; Mountain Chickadee, 5; White-breasted Nuthatch, 7; Brown Creeper, 1; Bewick's Wren, 1; Cañon Wren, 1; Mockingbird, 1; Crissal Thrasher, 1; Sage Thrasher, 2; Am. Robin, 35; Western Bluebird, 5; Mountain Bluebird, 52; Townsend's Solitaire, 9; Ruby-crowned Kinglet, 9; Loggerhead Shrike, 8; Common Starling, 225; Audubon's Warbler, 1; House Sparrow, 147; Western Meadowlark, 94; Yellow-headed Blackbird, 18; Red-winged Blackbird, 20,970; Brewer's Blackbird, 10; House Finch, 80; Am. Goldfinch, 20; Spotted Towhee, 9; Brown Towhee (Cañon), 9; Savannah Sparrow, 27; Vesper Sparrow, 3; Sage Sparrow, 20; Oregon Junco, 316; Gray-headed Junco, 2; White-crowned Sparrow (Gambel's), 342; Lincoln's Sparrow, 5; Song Sparrow, 97. **Total,** 51 species (2 additional subspecies); 23,457 individuals.—Raymond J. Fleetwood.

477. **Lewiston (Nez Perce Co.), Idaho** (6-mile radius from Clearwater Dam with elevations from 700 to 1400 ft., including banks of Snake and Clearwater rivers, adjacent streams, willow and cottonwood groves, rocky bluffs, open range and cultivated land, and the irrigation reservoir east of Lewiston Orchards).—Dec. 31; 7:30 a.m. to 4:30 p.m. Overcast; temp. 40° to 50°; wind S to SW, 15-20 m.p.h.; ground bare. Three observers in 2 parties. Total party-hours, 18 (13 on foot, 5 by car); total party-miles, 72 (14 on foot, 58 by car). Horned Grebe, 1; Great Blue Heron, 5; Canada Goose, 21; Mallard, 4066 (4000 est., 66); Am. Widgeon, 500 (est.); Pintail, 5; Green-winged Teal, 1; Canvas-back, 5; Lesser Scaup, 5; Am. Golden-eye, 12; Hooded Merganser, 5; Am. Merganser, 6; Red-tailed Hawk, 1; Marsh Hawk, 2; Pigeon Hawk, 2; Sparrow Hawk, 8; European Partridge, 15; Bob-white, 1; California Quail, 140; Ring-necked Pheasant, 79; Am. Coot, 3; Killdeer, 43; Wilson's Snipe, 1; Ring-billed Gull, 5; Mourning Dove, 137; Belted Kingfisher, 1; Red-shafted Flicker, 3; Am. Magpie, 14; Black-capped Chickadee, 13; Cañon Wren, 1; Rock Wren, 1 (L.V.); Golden-crowned Kinglet, 2; House Sparrow, 128; Western Meadowlark, 9; Red-winged Blackbird, 8; Brewer's Blackbird, 60; House Finch, 265; Am. Goldfinch, 1; Spotted Towhee, 1 (J.V.); Savannah Sparrow, 1 (J.V.); Oregon Junco, 20; Am. Tree Sparrow, 8; White-crowned Sparrow, 26; Song Sparrow, 42; Lapland Longspur, 200 (est.). **Total,** 45 species; 5873 individuals.—Jared Verner (compiler), Leif Verner, Bill Woodbury.

478. **Moscow (Latah Co.), Idaho** (6-mile radius centered 5 miles east of town including Robinson Lake and the disposal plant; open fields with streams supporting willow and low brush 40%, coniferous forest 50%, residential area 10%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Heavy overcast; temp. 30° to 40°; light, shifting wind; snow in woods only; all water exposed. Three observers in 2 parties. Total party-hours, 18 (10 on foot, 8 by car); total party-miles, 90 (13 on foot, 77 by car). Canada Goose, 16; Mallard, 44; Rough-legged Hawk, 1; Pigeon Hawk, 1; Ruffed Grouse, 3; European Partridge, 9; Ring-necked Pheasant, 44; Killdeer, 18; Horned Owl, 1; Short-eared Owl, 4; Red-shafted Flicker, 18; Hairy Woodpecker, 1; Downy Woodpecker, 1; Am. Magpie, 32; Black-capped Chickadee, 16; Mountain Chickadee, 7; Red-breasted Nuthatch, 15; Pygmy Nuthatch, 16; Brown Creeper, 6; Am. Robin, 10; Townsend's Solitaire, 2; Golden-crowned Kinglet, 16; Bohemian Waxwing, 175 (est.); Cedar Waxwing, 25; House Sparrow, 105 (est.); Evening Grosbeak, 4; Pine Grosbeak, 2; Am. Goldfinch, 6; Oregon Junco, 45; White-crowned Sparrow (Gambel's), 2; Song Sparrow, 20. **Total,** 31 species; about 665 individuals. (Seen in Count area Dec. 24: Mourning Dove, 1; Varied Thrush, 1; Gray Shrike, 1; House Finch, 35.)—Jared Verner (compiler), Leif Verner, Bill Woodbury.

479. Nampa, Idaho (7½-mile radius centering at Deer Flat National Wildlife Refuge, and including Nampa city parks, city trees and shrubs, open fields, fencerows, marshes, and country roads; pasture 25%, plowland 25%, town shrubs and trees 5%, lake 25%, fencerows 10%, cattail marsh 10%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy with snow after 2 p.m.; temp. 20° to 30°; wind SW to NE, 2-5 m.p.h.; ground bare in a.m., 1-in. snow by night; ice at edges of lake, but no ice in ditches and streams. Six observers in 2 parties. Total party-hours, 18 (2 on foot, 16 by car); total party-miles, 56 (10 on foot, 46 by car). Common Loon, 4; Western Grebe, 16; Canada Goose, 1644±; Mallard, 95,114±; Am. Widgeon, 3002±; Pintail, 3000±; Green-winged Teal, 1; Shoveller, 118±; Canvas-back, 152; Lesser Scaup, 5000±; Am. Golden-eye, 513±; Buffle-head, 5012±; Am. Merganser, 1006±; Turkey Vulture, 1; Red-tailed Hawk, 1; Marsh Hawk, 10; Pigeon Hawk, 1; Sparrow Hawk, 3; European Partridge, 8; Bob-white, 37; Ring-necked Pheasant, 144; Am. Coot, 16; Killdeer, 2; Ring-billed Gull, 168±; Horned Owl, 2; Long-eared Owl, 3; Short-eared Owl, 1; Red-shafted Flicker, 24; Horned Lark, 300±; Am. Magpie, 65; Am. Crow, 2754±; Mountain Chickadee, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 27; Gray Shrike, 1; Common Starling, 200±; House Sparrow, 943±; Western Meadowlark, 2; Brewer's Blackbird, 5029±; Evening Grosbeak, 30; House Finch, 8; Common Redpoll, 1; Vesper Sparrow, 2; Oregon Junco, 58; White-crowned Sparrow, 150±; Song Sparrow, 16. **Total,** 45 species; about 124,592 individuals. (Seen in area Dec. 23: Mourning Dove, 2 [F.S.D.]; Dec. 27: Audubon's Warbler, 1 [Mrs. C.C.H.]; Dec. 31: Am. Robin, 20 [F.S.D.].)—Mrs. C. C. Hill, Kieth Applegate, Ann Rosenlof, Donna Rae Morris, F. Sheldon Dart, Mrs. H. E. Shaw (compiler).

480. Bear River Migratory Bird Refuge, Brigham, Utah (refuge headquarters west along canal road, south and east over dikes to Perry, north following highway along foothills to Brigham, west through fields and over salt flats, touching points along Bear River, and back to headquarters; marsh and ponds 50%, fields and farm lands 25%, open pasture lands and river banks 25%).—Dec. 28; 9:30 a.m. to 4:30 p.m. Clear, to partly cloudy; temp. 18° to 28°; wind SW, 10 m.p.h.; 1-in. snow on ground; all ponds and marsh areas frozen, river partly frozen. Two observers in 1 party. Total hours, 7 (1 on foot, 6 by car); total party-miles, 41 (2 on foot, 39 by car). Western Grebe, 1; Pied-billed Grebe, 54; Great Blue Heron, 27; Whistling Swan, 2472; Canada Goose, 78; Mallard, 210; Pintail, 131; Green-winged Teal, 7; Shoveller, 1; Redhead, 5; Canvas-back, 1; Am. Golden-eye, 9; Ruddy Duck, 1; Am. Merganser, 14; Red-breasted Merganser, 15; Rough-legged Hawk, 17; Ferruginous Hawk, 1; **Golden Eagle,** 82 (a large number of fish died from industrial waste being dumped into Bear River above refuge, lodged in shallow waters of marsh, and became frozen in the ice; eagles counted as they fed on frozen fish); Bald Eagle, 12; Marsh Hawk, 18; Peregrine Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 137; Am. Coot, 32; Herring Gull, 50; Ring-billed Gull, 82; Short-eared Owl, 9; Red-shafted Flicker, 2; Horned Lark, 6110; Am. Magpie, 16; Common Raven, 42; Am. Crow, 6; Long-billed Marsh Wren, 3; Water Pipit, 8; Cedar Waxwing, 25; Common Starling, 11; House Sparrow, 412; Western Meadowlark, 8; Red-winged Blackbird, 22; Brewer's Blackbird, 8; Am. Goldfinch, 12; Oregon Junco, 65; Gray-headed Junco, 30; White-crowned Sparrow, 20; Song Sparrow, 24. **Total,** 45 species; 10,292 individuals.—Vanez T. Wilson (compiler), Leo T. Young.

481. Roosevelt (Duchesne Co.), Utah (same area as since 1950).—Dec. 31; 8 a.m. to 5 p.m. Clear; temp. 0° to 30°; no wind; all still water frozen, streams and river partially frozen. Five observers in 2 parties. Total party-hours, 18 (8 on foot, 10 by car); total party-miles, 103 (10 on foot, 93 by car). Great Blue Heron, 1; Mallard, 14; Am. Golden-eye, 1; Am. Merganser, 2; Goshawk, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 5; Ferruginous Hawk, 1; Marsh Hawk, 5; Prairie Falcon, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 161; Wilson's Snipe, 1; Horned Owl, 1; Red-shafted Flicker, 34; Downy Woodpecker, 5; Horned Lark, 101; Scrub Jay, 1 (M.L.K., A.C., F.L.); Am. Magpie, 398; Am. Crow, 3; Black-capped Chickadee, 24; White-breasted Nuthatch, 1; Long-billed Marsh Wren, 5; Am. Robin, 51; Loggerhead Shrike, 3; Common Starling, 295; House Sparrow, 1397; Western Meadowlark, 95; Red-winged Blackbird, 694; Brewer's Blackbird, 130; Evening Grosbeak, 3; Am. Goldfinch, 35; Oregon Junco, 130 (Oregon, 103; Pink-sided, 27); Am. Tree Sparrow, 81; White-crowned Sparrow, 30; Song Sparrow, 20. **Total,** 36 species (1 additional subspecies); 3740 individuals.—Don N. Crittenden, Albert Collatzi, Reed Harrison, Merlin L. Killpack (compiler), Ford Larson.

482. Salt Lake City, Utah (7½-mile radius centering in Temple Square; canyons and contiguous benchlands 50%, water courses, ponds, and open country 40%, city parks, cemeteries, and suburban area 10%).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 26° to 35°; wind light N, 10 m.p.h. max.; 4-in. snow previous night, no bare spots except cliff faces; all ponds frozen; inlets and streams open. Thirty-two observers in 11 parties. Total party-hours, 95 (85 on foot, 10 by car); total party-miles, 160 (63 on foot, 97 by car). Pied-billed Grebe, 18; Great Blue Heron, 6; Whistling Swan, 200; Canada Goose, 7; Mallard, 482; Gadwall, 15; Am. Widgeon, 11; Pintail, 370; Green-winged Teal, 32; **Cinnamon Teal,** 7 (6 prior Jan. records since 1933—T.E.); Shoveller, 135; Redhead, 3; **Lesser Scaup,** 50 (3 prior midwinter records—T.E.); Am. Golden-eye, 38; Buffle-head, 5; Am. Merganser, 8; Goshawk, 4; Sharp-shinned Hawk, 4; Cooper's Hawk, 5; Red-tailed Hawk, 6; Swainson's Hawk, 1 (B.S.; 1 carefully observed in same area early in Dec.—C.W.L.); Rough-legged Hawk, 16; Ferruginous Hawk, 2; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 15;

Osprey, 1 [no details—Ed.]; Prairie Falcon, 3; Peregrine Falcon, 4; Pigeon Hawk, 1; Sparrow Hawk, 18; Blue Grouse, 3; California Quail, 925; Ring-necked Pheasant, 389; Virginia Rail, 1; Am. Coot, 108; Killdeer, 335; Wilson's Snipe, 137; Greater Yellow-legs, 5; California Gull, 54; Ring-billed Gull, 7672; Mourning Dove, 36; Screech Owl, 1; Horned Owl, 4; Pygmy Owl, 1; Long-eared Owl, 1; Short-eared Owl, 5; Saw-whet Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 165; Lewis's Woodpecker, 7; Yellow-bellied Sapsucker, 11; Williamson's Sapsucker, 1 (♂, seen many times prior to Count—B.S.); Hairy Woodpecker, 4; Downy Woodpecker, 22; Horned Lark, 858; Steller's Jay, 5; Scrub Jay, 32; Am. Magpie, 123; Common Raven, 11; Am. Crow, 1; Black-capped Chickadee, 309; Mountain Chickadee, 22; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 17; Am. Dipper, 8; Winter Wren, 1 (R.F., B.W.); Long-billed Marsh Wren, 8; Am. Robin, 639; Townsend's Solitaire, 8; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 10; Water Pipit, 301; **Bohemian Waxwing,** 1101; Cedar Waxwing, 626; Gray Shrike, 6; Loggerhead Shrike, 1; Common Starling, 21,268; House Sparrow, 9525; Western Meadowlark, 678; Yellow-headed Blackbird, 2; Red-winged Blackbird, 5929; Brewer's Blackbird, 3972; Evening Grosbeak, 131; House Finch, 732; **Gray-crowned Rosy Finch,** 5420 (including a large number of Hepburn's); Black Rosy Finch, 669; **Pine Siskin,** 1966; Am. Goldfinch, 471; Spotted Towhee, 164; Sage Sparrow, 1 [no details—Ed.]; Slate-colored Junco, 7; Oregon Junco 469 (including Pink-sided, 28); Am. Tree Sparrow, 37; Harris's Sparrow, 3; White-crowned Sparrow, 202 (all Gambel's except a half dozen or so White-crowned); Song Sparrow, 395. **Total,** 98 species (3 additional subspecies); 67,494 individuals.—Wm. A. Bader, Mrs. Lydia A. Bean, Fern Bell, O. L. Byers, Steve Carr, M. R. Cheesman, Thos. A. Dewey, Thayer Evans, Mrs. Martha R. Fraser, Steen Freewin, Elsie Geoghegan, Mrs. Betty Jones, Gleb Kashin, Reed Ferris, Dr. Harold Lamb, Jon Leatham, Mrs. Chas. W. Lockerbie, Chas. W. Lockerbie (compiler), Darrell McCullough, Dr. James Morris, Ray Rogers, Mr. and Mrs. Stewart Romney, Boyd Shaffer, Rex Snow, Gerrit Steenblik, J. M. Stevens, Mr. and Mrs. S. L. Tainter, Kenneth Tanner, Bert Webb, Mrs. Jane H. Worthington.

483. Flagstaff, Ariz. (7½-mile radius centering on Bottomless Pits, including Walnut Canyon National Monument and part of Lake Mary; open Ponderosa Pine forest 60%, Piñon Pine-Juniper association 30%, frozen lake 10%).—Jan. 3; 7:20 a.m. to 5 p.m. Clear to almost all cloudy; temp. 32° to 45°; wind WSW, 10-15 m.p.h.; ground almost entirely free of snow, but lake frozen. Six observers in 4 parties (4 observers were casual backyard observers). Total party-hours, 18 (13 on foot, 5 by car); total party-miles, 68 (10 on foot, 58 by car). Red-tailed Hawk, 1; Golden Eagle, 2; Red-shafted Flicker, 1; Acorn Woodpecker, 2; Lewis's Woodpecker, 2; Hairy Woodpecker, 2; Steller's Jay, 7; Piñon Jay, 30; Clark's Nutcracker, 3; Mountain Chickadee, 19; Plain Titmouse, 3; Common Bushtit, 10; White-breasted Nuthatch, 9; Pygmy Nuthatch, 33; Brown Creeper, 2; Cañon Wren, 1; Am. Robin, 8; Western Bluebird, 4; Townsend's Solitaire, 9; House Sparrow, 6; Western Meadowlark, 30; Oregon Junco, 74; Gray-headed Junco, 79; White-crowned Sparrow (Gambel's), 1. **Total,** 24 species; 338 individuals. (Seen in area during week of Count: Great Blue Heron, 1; Sparrow Hawk, 1; Red-winged Blackbird, 8; Am. Crow, 2; Pine Siskin, 40; Slate-colored Junco, 1.)—Mr. and Mrs. R. G. Babbitt, Mr. and Mrs. O. V. Maddox, Paul F. Spangle, Mrs. Robert W. Pugh (compiler).

484. Havasu Lake National Wildlife Refuge, Topock, Ariz. (Arizona portion of refuge above Topock, but not including area west of old dike opposite 5-Mile Landing; open cattail-bulrush marsh 35%, open water 25%, desert brush 35%, miscellaneous 5%).—Dec. 29; 7:10 a.m. to 6 p.m. Clear; temp. 28° to 61°; mostly calm. Four observers in 3 parties. Total party-hours, 18 (10 on foot, 7 by boat); total party-miles, 31 (6 on foot, 25 by boat). Eared Grebe, 3; Western Grebe, 19; Pied-billed Grebe, 10; White Pelican, 8; Double-crested Cormorant, 239; Great Blue Heron, 42; Am. Egret, 30; Snowy Egret, 14; Black-crowned Night Heron, 195; Canada Goose, 406; Snow Goose, 1800 (est.); Blue Goose, 1; Mallard, 93; Gadwall, 128; Am. Widgeon, 75; Pintail, 63; Green-winged Teal, 850; Shoveller, 46; Redhead, 18; Ring-necked Duck, 27; Canvas-back, 13; Am. Golden-eye, 3; Buffle-head, 12; Ruddy Duck, 21; Hooded Merganser, 4; Am. Merganser, 29; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Harris's Hawk, 24; Golden Eagle, 1; Marsh Hawk, 14; Sparrow Hawk, 1; Gambel's Quail, 82; Sora, 3; Am. Coot, 19,391; Killdeer, 4; Greater Yellow-legs, 1; Least Sandpiper, 2; Western or Herring Gull, 1 (im.); Ring-billed Gull, 4; Mourning Dove, 1; Road-runner, 1; Barn Owl, 1; Horned Owl, 4; White-throated Swift, 4; Belted Kingfisher, 8; Red-shafted Flicker, 5; Gila Woodpecker, 8; Ladder-backed Woodpecker, 4; Black Phoebe, 11; Say's Phoebe, 2; Vermilion Flycatcher, 12; Tree Swallow, 66; Common Raven, 3; Verdin, 2; House Wren, 2; Bewick's Wren, 1; Long-billed Marsh Wren, 5; Mockingbird, 11; Crissal Thrasher, 7; Sage Thrasher, 1; Hermit Thrush, 1; Western Bluebird, 14; Black-tailed Gnatcatcher, 8; Ruby-crowned Kinglet, 22; Water Pipit, 10; Phainopepla, 20; Loggerhead Shrike, 20; Common Starling, 47; Audubon's Warbler, 21; House Sparrow, 42; Western Meadowlark, 22; Red-winged Blackbird, 15; Brewer's Blackbird, 52; Abert's Towhee, 25; Savannah Sparrow, 4; Sage Sparrow, 2; White-crowned Sparrow, 16; Song Sparrow, 54. **Total,** 80 species; about 24,237 individuals.—Charles R. Darling, Hugh Hanson, Gale Monson (compiler), E. S. Stergios.

485. Parker, Ariz. (Colorado River Indian Reservation; south to Trading Post and Valley School, north to Headgate Rock Dam and Osborne Wash; weedy irrigated fields and ditches 75%, river and riparian brush 20%, open desert 5%).—Dec. 31;

7:20 a.m. to 6 p.m. Clear; temp. 28° to 65°; calm. Two observers in 1 party. Total hours, 10 (4 on foot, 6 by car); total miles, 66 (4 on foot, 62 by car). Pied-billed Grebe, 18; Double-crested Cormorant, 2; Great Blue Heron, 8; Am. Egret, 17; Green Heron, 1; Black-crowned Night Heron, 3; Mallard, 24; Gadwall, 3; Pintail, 40; Am. Goldeneye, 7; Ruddy Duck, 8; Turkey Vulture, 26; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 8; Harris's Hawk, 2; Marsh Hawk, 7; Pigeon Hawk, 2; Sparrow Hawk, 17; Gambel's Quail, 142; Florida Gallinule, 1; Am. Coot, 40; Killdeer, 16; Least Sandpiper, 14; Ring-billed Gull, 2; Mourning Dove, 58; Road-runner, 21; Horned Owl, 1; White-throated Swift, 141; Belted Kingfisher, 2; Red-shafted Flicker, 12; Gilded Flicker, 1; Gila Woodpecker, 16; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 6; Black Phoebe, 10; Say's Phoebe, 39; Gray Flycatcher, 1; Vermilion Flycatcher, 14; Tree Swallow, 184; Common Raven, 7; Verdin, 6; House Wren, 1; Long-billed Marsh Wren, 5; Rock Wren, 1; Mockingbird, 24; Crissal Thrasher, 6; Am. Robin, 28; Western Bluebird, 34; Mountain Bluebird, 66; Black-tailed Gnatcatcher, 6; Ruby-crowned Kinglet, 16; Water Pipit, 52; Phainopepla, 42; Loggerhead Shrike, 39; Orange-crowned Warbler, 2; Audubon's Warbler, 87; Common Yellow-throat, 3; House Sparrow, 51; Western Meadowlark, 46; Red-winged Blackbird, 1207; Brewer's Blackbird, 134; Purple Finch, 2; House Finch, 132; Pine Siskin, 1; Am. Goldfinch, 3; Lesser Goldfinch, 10; Green-tailed Towhee, 1; Abert's Towhee, 49; Savannah Sparrow, 11; Vesper Sparrow, 21; Lark Sparrow, 9; Oregon Junco, 12; Chipping Sparrow, 58; Brewer's Sparrow, 76; White-crowned Sparrow, 2042; Lincoln's Sparrow, 2; Song Sparrow, 7. **Total,** 78 species; about 5221 individuals.—Charles R. Darling, Gale Monson.

486. Prescott, Ariz. (7-mile radius centering on Gurley and Montezuma Sts. and including Groom Creek, Indian Creek, Thumb Butte, Willow Creek, Willow Lake, Granite Dells, Watson Lake and Granite Creek; Ponderosa Pine 35%, chaparral 20%, juniper-piñon 15%, open grassland 5%, woodland 10%, lakeshore 5%, suburbs 10%).—Dec. 31; 8 a.m. to 5 p.m. Clear; temp. 20° to 50°; no wind; ground clear; lakes mostly frozen. One observer. Total hours, 9 (5 on foot, 4 by car); total miles, 56 (4 on foot, 52 by car). Ruddy Duck, 4; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Am. Coot, 21; Killdeer, 8; Mourning Dove, 4; Road-runner, 2; Belted Kingfisher, 1; Red-shafted Flicker, 6; Acorn Woodpecker, 8; Lewis's Woodpecker, 4; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 3; Black Phoebe, 1; Say's Phoebe, 1; Horned Lark, 90±; Steller's Jay, 13; Scrub Jay, 35; Common Raven, 1; Mountain Chickadee, 30; Plain Titmouse, 6; Bridled Titmouse, 8; Common Bushtit, 58; White-breasted Nuthatch, 4; Pygmy Nuthatch, 10; Brown Creeper, 1; House Wren, 1; Am. Robin, 8; Western Bluebird, 50; Mountain Bluebird, 1; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 30; Water Pipit, 34; Loggerhead Shrike, 1; Audubon's Warbler, 1; House Sparrow, 59; Western Meadowlark, 15; Red-winged Blackbird, 150±; Brewer's Blackbird, 13; House Finch, 5; Spotted Towhee, 8; Savannah Sparrow, 3; Slate-colored Junco, 2; Oregon Junco, 170 (including Pink-sided, 29); Gray-headed Junco, 32; Chipping Sparrow, 6; White-crowned Sparrow, 390; Song Sparrow, 8. **Total,** 51 species (1 additional subspecies); about 1314 individuals.—Heidi McLernon.

487. Santa Catalina Mts., Ariz. (usual area; pine forests, including admixture of chaparral in places 26%, encinal 14%, foothill canyons 12%, desert foothills 5%, ranches and ponds 38%, mesquite-cottonwood-willow 5%).—Dec. 26; 5:43 a.m. to ca. 6 p.m. Clear; temp. at foot of mts. ca. 28° to 68°; wind mostly limited to ridges; hardly any snow. Fifteen observers in 7 parties, plus casual observations by 5 others at home. Total party-hours, 46 (41 on foot, ca. 5 by car); total party-miles, 125+ (19 on foot, 106+ by car). Cormorant (sp.?), 1 (C.H.F., A.R.P.); Great Blue Heron, 1; Green Heron, 2; duck (sp.?), 1; Mallard, 21; Green-winged Teal, 3; Ring-necked Duck, 20; Lesser Scaup, 2; Red-tailed Hawk, 5+; Sparrow Hawk, 4; Gambel's Quail, 137; Am. Coot, 84; Killdeer, 31; Wilson's Snipe, 2; Mourning Dove, 40; Inca Dove, 3; Road-runner, 4; Screech Owl, 1; White-throated Swift, 12+; (Anna's?) Hummingbird, 1; Belted Kingfisher, 2; Red-shafted Flicker, 36; Gilded Flicker, 16; Gila Woodpecker, 65; Acorn Woodpecker, 12+; Yellow-bellied Sapsucker, 2; Williamson's Sapsucker, 1; Hairy Woodpecker, 4; Ladder-backed Woodpecker, 4; Arizona Woodpecker, 1; Black Phoebe, 3; Say's Phoebe, 8; Vermilion Flycatcher, 2; Steller's Jay, 6; Scrub Jay, 2; Arizona Jay, 23; Common Raven, 6; Mountain Chickadee, 12; Bridled Titmouse, 13; Verdin, 49; Common Bushtit, 15; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 33+; Brown Creeper, 4 (including 2 at lower edge of oaks—B.C., M.J.N.); House Wren, 4; Winter Wren, 1 (C.H.F., A.R.P.); Bewick's Wren, 6; Cactus Wren, 42; Long-billed Marsh Wren, 2; Cañon Wren, 7; Rock Wren, 5; Mockingbird, 5; Curve-billed Thrasher, 73; Crissal Thrasher, 7; Am. Robin, 6; Hermit Thrush, 10; Western Bluebird, 84+; Mountain Bluebird, 50; Townsend's Solitaire, 1; Blue-gray Gnatcatcher, 1; Black-tailed Gnatcatcher, 4; unidentified gnatcatchers, 2; Ruby-crowned Kinglet, 49+; Water Pipit, 35; Phainopepla, 30; Loggerhead Shrike, 5; Hutton's Vireo, 8; Orange-crowned Warbler, 1; Audubon's Warbler, 13; House Sparrow, 23; Western Meadowlark, 2; unidentified meadowlarks, 140; Red-winged Blackbird, 155; Brewer's Blackbird, 2858+; Brown-headed Cowbird, 20+; Cardinal, 44; Pyrrhuloxia, 10; Purple Finch, 3+ (among 9 *Carpodacus* in higher mts. [some of these 9 possibly *cassini*]—C.H.F., J.T.M., A.R.P.); House Finch, 80; Pine Siskin, 28; Lesser Goldfinch, 5; Lawrence's Goldfinch, 7; Red Crossbill, 1; Green-tailed Towhee, 3; Spotted Towhee, 1; Brown Towhee, 49; Abert's Towhee, 9+; sparrow (sp.?), 200+; Savannah Sparrow, 1; Vesper Sparrow, 1; Lark Sparrow, 7; **Rufous-winged Sparrow,** 3; Rufous-crowned Sparrow, 19+; Black-throated Sparrow, 177; Slate-colored Junco, 1;

Oregon Junco, 7 (Shufeldt's type, 6; Pink-sided, 1); Gray-headed Junco, 24+ (including 1 *dorsalis*—C.H.F., J.T.M., A.R.P.); Arizona Junco, 18 (including 2 at lower edge of oaks—B.C., M.J.N.); Chipping Sparrow, 25; Brewer's Sparrow, 1; Black-chinned Sparrow, 1; White-crowned Sparrow, 283+ (*gambeli*); Fox Sparrow, 2; Lincoln's Sparrow, 1; Swamp Sparrow, 4 (P.A.S., D.S., R.B.S.); Song Sparrow, 11 (Mt. type). **Total,** 103 species (2 additional subspecies); about 5381+ individuals. (Seen in Count period: Ruddy Duck, 1; Cooper's Hawk, 1; Sora, 3; Wright's Flycatcher, 1 [collected]; Beardless Flycatcher, 2; Am. Goldfinch, 3; Golden-crowned Sparrow, 1 [collected].) Extreme drought all fall.—Mr. and Mrs. A. H. Anderson, B. Cole, Mr. and Mrs. A. D. and Peter Filiatrault, C. H. Fiscus, Mr. and Mrs. J. M. Gates, Mrs. J. Hayden, J. T. Marshall, Jr., Mr. and Mrs. E. T. Nichols, I. Peters, A. R. Phillips, F. H. Sillick, P. A. Smith, R. B. and Douglas Streets, D. Talbert (Bird Club of Tucson Natural History Society, Tucson Audubon Society).

488. Tucson, Ariz. (7½-mile radius centering on West Congress St. at Santa Cruz River bridge, including Ajo Rd. to Indian Dam, city farm and disposal plant, Tucson area, Rincon stock farm [partly], Gates Pass, and adjacent ranches; farmlands 50%, mesquite thicket 15%, desert 15%, hedgerows 15%, ponds and irrigation places 5%).—Jan. 2; 8 a.m. to 5 p.m. Clear; temp. 32° to 70°; no wind. Seventeen observers in 7 parties. Total party-hours, 34½ (24 on foot, 10½ by car); total party-miles, 89½ (24½ on foot, 65 by car). Green Heron, 1; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 13; Marsh Hawk, 2; Sparrow Hawk, 9; Gambel's Quail, 390; Killdeer, 14; Mourning Dove, 210; Inca Dove, 236; Road-runner, 9; White-throated Swift, 1; Belted Kingfisher, 1; Red-shafted Flicker, 48; Gilded Flicker, 17; Gila Woodpecker, 72; Yellow-bellied Sapsucker (Red-naped), 2; Ladder-backed Woodpecker, 3; kingbird (sp.), 1 (R.B.S., D.S.); **Eastern Phoebe,** 1 (observed for 15 min. at 50 ft. with 8x glasses; in open field perched on an old cotton stock about 3 ft. from ground, then flew into a cottonwood—A.H.A.); Black Phoebe, 6; Say's Phoebe, 13; Vermilion Flycatcher, 5; Verdin, 21; House Wren, 1; Bewick's Wren, 4; Cactus Wren, 58; Cañon Wren, 2; Rock Wren, 2; Mockingbird, 5; Bendire's Thrasher, 3; Curve-billed Thrasher, 60; Crissal Thrasher, 3; Am. Robin, 7; Hermit Thrush, 2; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 21; Water Pipit, 28; Phainopepla, 8; Loggerhead Shrike, 20; Audubon's Warbler, 48; House Sparrow, 588; Eastern Meadowlark, 3; Western Meadowlark, 5; unidentified meadowlarks, 87; Yellow-headed Blackbird, 301; Red-winged Blackbird, 388; Brewer's Blackbird, 1196; Brown-headed Cowbird, 250; Cardinal, 36; Pyrrhuloxia, 52; House Finch, 873; Pine Siskin, 12; Lesser Goldfinch (Green-backed), 150; Lawrence's Goldfinch, 168; Green-tailed Towhee, 8; Brown Towhee, 34; Abert's Towhee, 35; Lark Bunting, 85; Vesper Sparrow, 6; Lark Sparrow, 11; Black-throated Sparrow, 31; Oregon Junco, 14; Gray-headed Junco, 4; Chipping Sparrow, 20; Brewer's Sparrow, 5; Black-chinned Sparrow, 1; White-crowned Sparrow, 1064 (Gambel's); Lincoln's Sparrow, 5; unidentified sparrows, 585. **Total,** 68 species; about 7376 individuals.—Bruce Cole, Mr. and Mrs. E. D. Morton, Lena Marvin, Mary Jane Nichols, Laura Draper, Anders H. Anderson, Dr. R. B. Streets, Douglas Streets, Thornton Hayes, Arthur Sylvester, F. C. Bair, Mr. and Mrs. Hugh B. Sloan, Tom Watson, Clifford Fiscus, Ivan Peters (compiler) (Tucson Audubon Society).

489. Verde Valley, Ariz. (15-mile diameter centering on Cottonwood, and including communities and vicinities of Rimrock, Camp Verde, Cornville, Clarkdale, and Sedona; Verde River, Oak Creek, Beaver Creek; deciduous stream bottomland 10%, plowed field 10%, mesquite field 5%, pasture 10%, freshwater pond 25%, shrubby swamp 10%, arid open flats 15%, isolated dwellings 10%, cliffs 5%).—Dec. 31; 8 a.m. to 5 p.m. Clear; temp. 9° to 61°; calm; small areas of ponds and streams frozen. Four observers in 2 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 75 (10 on foot, 65 by car). Pied-billed Grebe, 16; Great Blue Heron, 5; Mallard, 16; Gadwall, 1200 (700 est., 500); Am. Widgeon, 35; Shoveller, 11; Redhead, 1; Ring-necked Duck, 1; Canvas-back, 8; Ruddy Duck, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 6; Gambel's Quail, 132; Am. Coot, 3111 (2500 est., 611); Killdeer, 8; Mourning Dove, 4; Road-runner, 4; Horned Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 9; Gila Woodpecker, 10; Yellow-bellied Sapsucker (Red-naped), 1; Ladder-backed Woodpecker, 3; Black Phoebe, 4; Say's Phoebe, 5; Vermilion Flycatcher, 2; Scrub Jay, 3; Common Raven, 5; Am. Crow, 7; Mountain Chickadee, 2; Bridled Titmouse, 5; Verdin, 1; White-breasted Nuthatch, 2; Brown Creeper, 2; Bewick's Wren, 1; Cañon Wren, 2; Rock Wren, 1; Crissal Thrasher, 1; Am. Robin, 1; Western Bluebird, 28; Mountain Bluebird, 10; Townsend's Solitaire, 4; Ruby-crowned Kinglet, 5; Water Pipit, 20; Loggerhead Shrike, 5; Audubon's Warbler, 1; House Sparrow, 36; Western Meadowlark, 58; Red-winged Blackbird, 2; Brewer's Blackbird, 210; Cardinal, 4; House Finch, 19; Am. Goldfinch, 1; Lesser Goldfinch, 2; Spotted Towhee, 1; Brown Towhee, 2; Abert's Towhee, 8; Black-throated Sparrow, 2; Sage Sparrow, 20; Oregon Junco, 170 (including Pink-sided, 30); White-crowned Sparrow, 344; **White-throated Sparrow,** 1 (at feeder since Nov. and still present in early April, associating with White-crowned and Song Sparrows; white throat patch, striped crown, and yellow patch between bill and eye—E.A.S.); Song Sparrow, 15. **Total,** 66 species; about 5603 individuals.—D. Rigby, E. Rigby, E. A. Sutton (compiler), M. D. Sutton.

490. Stillwater Wildlife Management Area (Churchill Co.), Nev. (7½-mile radius centering in the SW¼, SW¼, Sec. 36, T21N, R30E, or approximately 16 miles northeast of town of Fallon, and including portions of Stillwater Marsh, Pelican Island Marsh, Indian Lakes, Carson River, irrigated

farmland north of Stillwater and intervening desert; irrigated farmland 5%, alkaline cattail and bulrush marshes with intervening open lakes, alkali flats and greasewood-shadscale desert 85%, cottonwood river bottom 10%).—Dec. 30; 9:10 a.m. to 4:40 p.m. Clear; temp. 12° to 45°; wind calm; marsh areas frozen, but some open water appeared during mid-afternoon thaw. Two observers in one party. Total hours, 7½ (by car); total miles, 56 (by car). Eared Grebe, 1; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 88; Black-crowned Night Heron, 46; Whistling Swan, 2217; Canada Goose, 812; Snow Goose, 12; Mallard, 36; Gadwall, 54; Am. Widgeon, 9; Pintail, 759; Green-winged Teal, 961; Shoveller, 222; Canvas-back, 61; Ruddy Duck, 6; Am. Merganser, 12; **Turkey Vulture,** 1 (observed in cottonwood tree, red head very distinct; did not flush until observers had driven right to tree); Rough-legged Hawk, 4; Golden Eagle, 6; Bald Eagle, 4; Marsh Hawk, 17; **Peregrine Falcon,** 1 (closely observed in cottonwood tree; dark moustachios plainly visible); Sparrow Hawk, 2; California Quail, 56; Ring-necked Pheasant, 7; Am. Coot, 689; Killdeer, 2; Greater Yellow-legs, 2; **Least Sandpiper,** 5 (observed at length on open shoreline of shallow-water lake; yellowish green color of legs noted); Ring-billed Gull, 2; Red-shafted Flicker, 4; Horned Lark, 727; Am. Magpie, 7; Common Raven, 10; Water Pipit, 2; Loggerhead Shrike, 7; Common Starling, 2; Western Meadowlark, 25; **Yellow-headed Blackbird,** 8 (feeding with Brewer's and Red-winged Blackbirds at base of stack of baled hay in a farm field; observed at less than 100 ft.); Red-winged Blackbird, 18; Brewer's Blackbird, 880; Savannah Sparrow, 25; Sage Sparrow, 14; White-crowned Sparrow, 199; Song Sparrow, 41. **Total,** 46 species; about 8065 individuals.—LeRoy W. Giles (compiler), Fred E. Wright.

491. Seattle, Wash. (same as last year; 7½-mile radius, omitting business district and closely settled areas, and including shores of Puget Sound, Lakes Washington, Union and Green, and the Bellevue-Mercer Island area; woods and brush 15%, lakes and lake shore 30%, salt water near shore 25%, fields and parkways 10%, marsh 10%, suburban 10%).—Dec. 27; 9 a.m. to 4:30 p.m. Temp. 42° to 45°; wind SW, 5 m.p.h.; overcast and misty, hampering visibility at a distance, especially after 4 p.m. Thirty-nine observers in 16 parties. Total party-hours, 72¼ (5 by canoe [number on foot and by car not stated —Ed.]); total party-miles, 110 (54 on foot, 55 by car, 1 sq. mi. by canoe). Common Loon, 7; Arctic Loon, 2; Red-throated Loon, 4; Red-necked Grebe, 24; Horned Grebe, 92; Eared Grebe, 5; Western Grebe, 196; Pied-billed Grebe, 19; Double-crested Cormorant, 68; Brandt's Cormorant, 31; Pelagic Cormorant, 17; Great Blue Heron, 16; Green Heron, 1 (species has practically become resident in a few places in western Wash.—W.M.H.); Canada Goose, 18 (including Cackling, 1—W.G.); Mallard, 949; Gadwall, 17; Europeon Widgeon, 1 (1 or 2 birds present every year); Am. Widgeon, 2314; Pintail, 13; Green-winged Teal, 159; Shoveller, 196; Redhead, 1 (W.M.H., W.H.R.); Ring-necked Duck, 9; Canvas-back, 8; Greater Scaup, 994; Lesser Scaup, 441; Am. Golden-eye, 334; Buffle-head, 136; White-winged Scoter, 114; Surf Scoter, 188; Ruddy Duck, 311; Hooded Merganser, 11; Am. Merganser, 474; Red-breasted Merganser, 90; Cooper's Hawk, 2; Red-tailed Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 1; California Quail, 76; Ring-necked Pheasant, 17; Am. Coot, 2723; Killdeer, 46; Wilson's Snipe, 5; **Willet,** 1 (later collected—G.E.); Red-backed Sandpiper, 12; Sanderling, 77; Glaucous-winged Gull, 6741; Herring Gull, 15; California Gull, 89; Ring-billed Gull, 88; Short-billed Gull, 3046; Bonaparte's Gull, 661; Pigeon Guillemot, 3; Marbled Murrelet, 3; Rhinoceros Auklet, 32; Band-tailed Pigeon, 56; Belted Kingfisher, 3; **Yellow-shafted Flicker,** 1 (W.M.H.; a specimen collected a day or so after Count period); Red-shafted Flicker, 85; Pileated Woodpecker, 1; Downy Woodpecker, 14; Steller's Jay, 37; Am. Magpie, 1; Northwestern Crow, 108; Black-capped Chickadee, 181; Chestnut-backed Chickadee, 35; Common Bushtit, 250; Brown Creeper, 3; Winter Wren, 11; Bewick's Wren, 42; Long-billed Marsh Wren, 7; Am. Robin, 1477; Varied Thrush, 24; Hermit Thrush, 2 (W.M.H.); Golden-crowned Kinglet, 68; Ruby-crowned Kinglet, 28; Cedar Waxwing, 92; **Myrtle Warbler** (Alaska), 11 (no mistaking different vocal notes of Audubon's and Myrtle—V.E.C.); Audubon's Warbler, 11; Townsend's Warbler, 10; House Sparrow, 501; Western Meadowlark, 21; Red-winged Blackbird, 165; Brewer's Blackbird, 501; Evening Grosbeak, 18; Purple Finch, 107; Cassin's Finch, 4; Pine Siskin, 2066; Am. Goldfinch, 63; Red Crossbill, 6; Spotted Towhee, 80; Slate-colored Junco, 1; Oregon Junco, 456; White-crowned Sparrow, 2; Golden-crowned Sparrow, 5; Fox Sparrow, 9; Lincoln's Sparrow, 1; Song Sparrow, 421. **Total,** 99 species (1 additional subspecies); 27,886 individuals. (Seen in area Jan. 3: Common Murre, 5; Common Starling, 1—G.E.) —Mrs. Hugh Baird, Jr., Ward Beecher, Mr. and Mrs. R. M. Boggs, Alfred, Jean, and Katherine Bricker, Violet E. Cannon, Mrs. J. I. Colwell, Mr. and Mrs. J. M. Cramer, Mr. and Mrs. Garrett Eddy, Garrett Edward Eddy, Mr. and Mrs. Albert Forsman, J. Frost, William Goodge, Walter M. Hagenstein, Mrs. Grover Henretty, Mrs. Arthur Hussey, Doris Jelliffe, Bernice Jennings, Mr. and Mrs. Earl Larrison, Earl J. Larrison, Joan Laval, Keith McDonald, Jim Miller, Warren Palmer, Mr. and Mrs. Glenn M. Privat, Webster H. Ransom, Mrs. W. R. Rathbun, William D. Rourke, Bertha Schuler, Zella M. Schultz, Vivian D. Thorne, Mrs. Raymond Wright (Seattle Audubon Society).

492. Spokane, Wash. (same area as in previous counts; lawns, parks and cemeteries 30%, rivers bordered with brush and coniferous woods 50%, suburban irrigated tracts and open fields 20%).—Jan. 3; 8:30 a.m. to 3:30 p.m. Partly cloudy; temp. 29° to 36°; wind SSW, 20-34 m.p.h.; ground bare. Thirty-two observers in 9 parties. Total party-hours, 56; total party-miles, 228 (32 on foot, 196 by car). Pied-billed Grebe, 5; Great Blue Heron, 11; Canada

Goose, 25; Mallard, 2234; Am. Widgeon, 82; Green-winged Teal, 58; Wood Duck, 40; Redhead, 276; Ring-necked Duck, 66; Canvas-back, 4; Lesser Scaup, 6; Am. Golden-eye, 61; Hooded Merganser, 2; Red-tailed Hawk, 2; Ruffed Grouse, 1; California Quail, 441; Ring-necked Pheasant, 123; Wilson's Snipe, 2; Belted Kingfisher, 4; Red-shafted Flicker, 56; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 6; Horned Lark, 4; Am. Magpie, 35; Am. Crow, 59; Clark's Nutcracker, 2; Black-capped Chickadee, 209; Mountain Chickadee, 47; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 136; Pygmy Nuthatch, 110; Brown Creeper, 21; Am. Dipper, 7; Am. Robin, 244; Varied Thrush, 1; Western Bluebird, 4; Townsend's Solitaire, 1; Golden-crowned Kinglet, 65; Bohemian Waxwing, 990; Cedar Waxwing, 130; Gray Shrike, 3; House Sparrow, 308; Evening Grosbeak, 55; Cassin's Finch, 40; Pine Grosbeak, 4; Am. Goldfinch, 5; Red Crossbill, 47; Oregon Junco, 342; Song Sparrow, 79. **Total,** 50 species; about 6476 individuals. (Seen in area Jan. 2: House Finch, 6.)—Verna Adams, Pat Bonner, Mrs. A. I. Buchecker, Mattie Burke, Amelia Burns, Dick Castenholz, Mrs. Lloyd R. Christensen, Col. Geo. S. Clarke, Mr. and Mrs. Archie Clough, Paul Dix, Tom Groh, Mr. and Mrs. M. C. Haggin, Bart Haggin, Irene Hunt, Anne Merager, Mrs. E. E. Morrison, Mr. and Mrs. Geo. W. Morrow, Mr. and Mrs. Earl W. Pettibone (compiler), Mr. and Mrs. A. C. Rettig, Mrs. Maurice J. Schanks, Mrs. Paul A. Schultz, Mrs. Stephen O. Stanley, Mr. and Mrs. Charles Tietgen, Theodore Turner, Jack Turner, Alma Walker (Spokane Bird Club).

493. **Eugene, Oreg.** (15-mile diameter including Fern Ridge Reservoir, Springfield, and Eugene, same as for past 10 years; meadows 20%, orchards and fields 20%, suburban 10%, evergreen forests 20%, mixed woods 20%, water 10%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Fog, visibility poor; temp. 34° to 45°; wind SW, 4-8 m.p.h.; ground wet from recent heavy rains. Thirty observers in 13 parties. Total party-hours, 78 (48 on foot, 30 by car); total party-miles, 162 (27 on foot, 135 by car). Western Grebe, 6; Pied-billed Grebe, 1; Great Blue Heron, 6; **Green Heron,** 3 (C.S.G., E.T., A.R.S.); Canada Goose, 996; Mallard, 33; Am. Widgeon, 6; Pintail, 25; Green-winged Teal, 13; Shoveller, 14; Ring-necked Duck, 22; Lesser Scaup, 28; Ruddy Duck, 6; unidentified ducks, 2800; Am. Merganser, 23; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 4; Sparrow Hawk, 33; Ruffed Grouse, 1; Mountain Quail, 32; Ring-necked Pheasant, 35; Am. Coot, 44; Killdeer, 178; **Least Sandpiper,** 20 (feeding on mudflat with Red-backs; size, dark color, and greenish yellow feet and legs closely observed—B.H.P., *et al.*); Red-backed Sandpiper, 350; Western Gull, 7; Ring-billed Gull, 12; Mourning Dove, 1; Barn Owl, 2; **Screech Owl,** 1; Belted Kingfisher, 6; Red-shafted Flicker, 154; **Pileated Woodpecker,** 2; Acorn Woodpecker, 46; Lewis's Woodpecker, 38; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 8; Steller's Jay, 92; Scrub Jay, 63; Common Raven, 3; Am. Crow, 98; Black-capped Chickadee, 191; Chestnut-backed Chickadee, 5; Common Bushtit, 45; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 6; Bewick's Wren, 14; Am. Robin, 1460; Varied Thrush, 174; Hermit Thrush, 2; Western Bluebird, 9; Golden-crowned Kinglet, 272; Ruby-crowned Kinglet, 36; Water Pipit, 4; Common Starling, 100; **Myrtle Warbler,** 6 (separated from Audubon's in mixed flock by throat color—Mrs. P.C., I.M.); Audubon's Warbler, 18; Townsend's Warbler, 4; House Sparrow, 306; Western Meadowlark, 37; Red-winged Blackbird, 34; Brewer's Blackbird, 1106; Evening Grosbeak, 12; Purple Finch, 246; House Finch, 18; Pine Siskin, 64; Am. Goldfinch, 24; Lesser Goldfinch, 10 (L.D., *et al.*); Spotted Towhee, 106; Savannah Sparrow, 122; Oregon Junco, 1257; White-crowned Sparrow, 61; Golden-crowned Sparrow, 262; Fox Sparrow, 12; Song Sparrow, 106. **Total,** 78 species; about 11,373 individuals.—Mrs. Lawrence Burgh, Mrs. Paul Campbell, Floyd Church, Mr. and Mrs. H. Harrison Clarke, Mrs. Chas. Croson, Lawrence Daggett, Katharine Day, Catherine Dunlop, Irene and Richard Flynn, Florence Fulton, Clifford S. Gregor, Gordon W. Gullion, Helen Kilpatrick, Cora L. Kreamer, Isabelle Mallett, Frances Newsom, Ben H. Pruitt (compiler), Harvey Quinby, John L. Reynolds, Ada R. Shuey, Michael and Robert Swangard, Edw. Thatcher, J. H. Vicary, Sybil Mary and Wallace Watt, Mr. and Mrs. Russell Yockey (Natural History Society).

494. **Medford, Oreg.** (east section of town, Roxy Ann Mt. [3500 ft. elev.] and valley areas as far as Rogue River [about 1000 ft. elev.]; brushy hillsides, small timber including Yellow Pine and oak, farmlands including ponds, and riverbottom).—Dec. 28; 8 a.m. to 4 p.m. Foggy, becoming cloudy; temp. 35° to 44°; wind calm. Four observers in 3 parties on foot and in car, plus one observing at home. [Total party-hours and party-miles not stated—Ed.] Pied-billed Grebe, 2; Mallard, 2; Am. Widgeon, 4; Pintail, 1; Green-winged Teal, 1; Red-tailed Hawk, 2; Sparrow Hawk, 5; Ruffed Grouse, 1; California Quail, 114; Ring-necked Pheasant, 4; Am. Coot, 8; Killdeer, 17; Wilson's Snipe, 1; Ring-billed (?) Gull, 1; Mourning Dove, 25; Belted Kingfisher, 1; Red-shafted Flicker, 18; Acorn Woodpecker, 6; Downy Woodpecker, 2; Scrub Jay, 8; Plain Titmouse, 3; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 5; Brown Creeper, 2; Bewick's Wren, 1; Am. Robin, 59; Western Bluebird, 21; Ruby-crowned Kinglet, 5; Gray Shrike, 1; Hutton's Vireo, 1 (observed closely from window—Mrs. H.B.); House Sparrow, 23; Western Meadowlark, 30; Red-winged Blackbird, 1; Brewer's Blackbird, 4; Pine Siskin, 18; Am. Goldfinch, 24; Lesser Goldfinch, 1; Spotted Towhee, 10; Brown Towhee, 1; Savannah Sparrow, 3; Oregon Junco, 129; White-crowned Sparrow, 24; Golden-crowned Sparrow, 32; Song Sparrow, 10. **Total,** 45 species; about 634 individuals.—Mrs. Howard Bush, Thomas McCamant (compiler), Mrs. Thomas McCamant, John McCamant.

495. Portland, Oreg. (7½-mile radius centered on west side, same as 1938 and all subsequent counts; brushy woodlands 25%, lakes, rivers, and sloughs 20%, farmlands 30%, residential areas 25%).—Dec. 27; 8 a.m. to 4 p.m. Foggy; temp. 38° to 50°; wind SW, 2-5 m.p.h.; fair visibility at ground level but dark almost all day. Seventy-two observers in 16 parties. Total party-hours, 115 (74 on foot, 41 by car); total party-miles, 353 (89 on foot, 264 by car). Common Loon, 2; Red-necked Grebe, 1 (Mrs. H.C.J.); Pied-billed Grebe, 7; Double-crested Cormorant, 179; Great Blue Heron, 20; Green Heron, 4 (L.F.S.); Whistling Swan, 10; Canada Goose, 7 (including Cackling, 3); Mallard, 1278; Gadwall, 45; European Widgeon, 1 (1 or 2 reported every year for more than 10 successive years—L.F.S.); Am. Widgeon, 4509; Pintail, 228; Green-winged Teal, 79; Shoveller, 51; Ring-necked Duck, 9; Lesser Scaup, 20; Buffle-head, 52; Ruddy Duck, 2; unidentified ducks, 118; Am. Merganser, 43; Sharp-shinned Hawk, 5; Cooper's Hawk, 5; Red-tailed Hawk, 10; Pigeon Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 2; Ring-necked Pheasant, 69; Am. Coot, 474; Killdeer, 148; Wilson's Snipe, 11; Spotted Sandpiper, 1; Glaucous-winged Gull, 912; Herring Gull, 116; California Gull, 195; Ring-billed Gull, 14; Short-billed Gull, 1035; gulls (sp.), 7502; Band-tailed Pigeon, 22; Mourning Dove, 2; Screech Owl, 3; Belted Kingfisher, 6; Red-shafted Flicker, 212; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 74; Steller's Jay, 69; Scrub Jay, 3; Am. Crow, 555; Black-capped Chickadee, 363; Chestnut-backed Chickadee, 46; Common Bushtit, 437; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 25; Bewick's Wren, 48; Am. Robin, 11,750 (conservative estimate of birds going to roost in abandoned holly nursery); Varied Thrush, 109; Hermit Thrush, 18; Golden-crowned Kinglet, 247; Ruby-crowned Kinglet, 32; Water Pipit, 32; Cedar Waxwing, 62; Common Starling, 60; Hutton's Vireo, 1 (G.D.R.); Audubon's Warbler, 19; Townsend's Warbler, 13; House Sparrow, 1335; Western Meadowlark, 9; Red-winged Blackbird, 36; Brewer's Blackbird, 1075; Evening Grosbeak, 81; Purple Finch, 188; House Finch, 270; Pine Siskin, 415; Am. Goldfinch, 148; Lesser Goldfinch, 11; Spotted Towhee, 144; Savannah Sparrow, 16; Slate-colored Junco, 1 (C.G.J.); Oregon Junco, 2358; White-crowned Sparrow, 35; Golden-crowned Sparrow, 172; Fox Sparrow, 108; Lincoln's Sparrow, 1 (N.L.); Song Sparrow, 1233. **Total,** 85 species (1 additional subspecies); 39,047 individuals.—Tom McAllister, Brian McNab, Art McGarr, Miss Slater, Virlis Fischer, Mr. and Mrs. Robert T. Platt, Norbert Leupold, Albert Weatherwax, C. L. Marshall (compiler), Mr. and Mrs. Herbert C. Judd, Louis Oberson, Fred Robinson, George Alderson, Mrs. Reta Blakeslee, Maud Ransom, O. E. Wheeler, Dennis Graham, Frank Bartlett, Mrs. W. B. Holden, Charlotte Funnell, Mrs. B. VanBuren, Mrs. Blanche Jones, Mr. and Mrs. Leo F. Simon, Arlie B. Collett, Ed. A. Kelham, Henry Steinbrugge, John Steinbrugge, Dr. B. A. Thaxter, Lawrence Schramm, Mr. and Mrs. Earl A. Marshall, Kenneth Lee, Mr. and Mrs. Fred S. Huntress, Mr. and Mrs. Carroll S. Higgins, Mrs. L. J. Merrill, Mr. and Mrs. Lyle B. Dunsmoor, Mrs. Frantz, Mrs. Norman F. Coleman, Mrs. Susie Nicholson, Isabel Wildes, Joyce Wildes, Mr. and Mrs. J. W. C. Williams, Carl G. Jacobsen, W. H. Crowell, H. H. Crowell, Arthur Platt, Thornton T. Munger, Osgood Munger, Duncan Munger, LeForest McCroskey, P. E. Lewis, Robert W. Harris, Ruth L. Harris, Kenneth Leatherman, Mr. and Mrs. Fred Johnson, Fred Johnson, Jr., Jim Kexner, George D. Ruby, Marcia H. Ruby, Robert Millette, Mrs. T. Millette, Mrs. Neil Haig, Mr. and Mrs. Ade Sieberts (Oregon Audubon Society).

496. Big Bear Lake, Calif. (same as previous 12 years; part of a 15-mile circle centering near Bertha Peak in San Bernardino Mts., about 3 miles NNE of Big Bear P.O., extending to Box H Springs in desert to bottom of Santa Ana Canyon near Seven Oaks; 3500-7200 ft. elevation; coniferous forest 37%, mountain lakes 12%, mountain meadow 7%, piñon-juniper association 7½%, sagebrush 1½%, creosote bush association 10%, desert willow and cottonwood 7%, alders, oaks, and canyon streams 6%, chaparral 12%).—Dec. 26; 9 a.m. to 8 p.m. Clear; extremely dry; temp 22° to 40°; wind 20 m.p.h.; lakes frozen, with few open-water places. Eighteen observers in 6 parties. Total party-hours, 40 (5 on foot, 35 by car); total party-miles, 100 (8 on foot, 92 by car). Great Blue Heron, 3; Pintail, 6; Shoveller, 5; Ruddy Duck, 2; Red-tailed Hawk, 4; Golden Eagle, 3; Bald Eagle, 5; Sparrow Hawk, 2; Gambel's Quail, 3; Am. Coot, 2210; Killdeer, 1; Wilson's Snipe, 1; Ring-billed Gull, 13; Red-shafted Flicker, 20; Acorn Woodpecker, 11; Williamson's Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 1; Ladder-backed Woodpecker, 1; White-headed Woodpecker, 10; Steller's Jay, 26; Scrub Jay, 32; Piñon Jay, 67; Clark's Nutcracker, 3; Mountain Chickadee, 366; Plain Titmouse, 4; Verdin, 1; Common Bushtit, 105; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 3; Pygmy Nuthatch, 166; Brown Creeper, 6; Wren-tit, 4; Bewick's Wren, 3; Long-billed Marsh Wren, 1; Rock Wren, 4; Mockingbird, 2; Am. Robin, 49; Hermit Thrush, 1; Western Bluebird, 24; Townsend's Solitaire, 12; Black-tailed Gnatcatcher, 1; Ruby-crowned Kinglet, 11; Cedar Waxwing, 48; Loggerhead Shrike, 2; Audubon's Warbler, 1; House Sparrow, 40; Western Meadowlark, 5; Brewer's Blackbird, 2; Cassin's Finch, 49; House Finch, 60; Am. Goldfinch, 5; Lesser Goldfinch, 1; Spotted Towhee, 5; Sage Sparrow, 130; Oregon Junco, 22; Gray-headed Junco, 1 (observed closely in piñons and junipers in company with Oregon Juncos—B.H.); White-crowned Sparrow, 250; Song Sparrow, 2. **Total,** 59 species; 3856 individuals.—Lucille Abbott, Lillian Barker, J. H. Comby (compiler), Mrs. J. H. Comby, Beatrice Forrest, Dr. John D. Goodman, Jeanne M. Goodman, Pat Gould, Bill Hawkins, Paul Herman, Dick Holmes, Lillian Kennedy, Louisa Luckan, Josiphine Vaughn, John Tramontano, Margie Walker, Ann E. Wissler, Leo Best.

497. Escondido, Calif. (same as previous year;

centering at Lake Hodges and including San Diequito Reservoir; fresh-water lakes 50%, wooded area 20%, chaparral 20%, open fields 10%).—Jan. 2; 8 a.m. to 5 p.m. Clear with early morning fog; temp. 66° to 40°; wind W, 5-10 m.p.h. Two observers in 2 parties. Total hours, 16 (4½ on foot, 11½ by car); total party-miles, 66 (5 on foot, 61 by car). Western Grebe, 6; Pied-billed Grebe, 1; Double-crested Cormorant, 27; Great Blue Heron, 12; Am. Egret, 2; Mallard, 150; Am. Widgeon, 15; Pintail, 250 (175 est., 75); Green-winged Teal, 500 (425 est., 75); Shoveller, 1500 (1450 est., 50); Redhead, 75; Canvas-back, 100 (45 est., 55); Lesser Scaup, 5; Buffle-head, 4; Ruddy Duck, 75 (65 est., 10); Am. Merganser, 27; White-tailed Kite, 2; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Golden Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 10; California Quail, 85; Am. Coot, 250 (111 est., 139); Killdeer, 9; Spotted Sandpiper, 4; Greater Yellow-legs, 1; Dowitcher, 6; Ring-billed Gull, 2; Mourning Dove, 56; Spotted Dove, 1; Road-runner, 2; Barn Owl, 1; Horned Owl, 2; White-throated Swift, 12; Anna's Hummingbird, 1; Red-shafted Flicker, 9; Acorn Woodpecker, 5; Nuttall's Woodpecker, 1; Western Kingbird, 2 (F.N.G.); Cassin's Kingbird, 1; Black Phoebe, 6; Say's Phoebe, 8; Violet-green Swallow, 150 (125 est., 25); Scrub Jay, 18; Am. Crow, 14; Plain Titmouse, 7; Common Bushtit, 24; Wren-tit, 42; House Wren, 2; Cañon Wren, 1; Mockingbird, 11; California Thrasher, 5; Am. Robin, 8; Hermit Thrush, 8; Olive-backed Thrush (Russet-backed), 1 (observed with 2 Hermit Thrushes in wooded, wet area of a small creek; closely seen at first, then studied carefully with 7x50 glasses as it moved away; upper parts, including tail, a uniform color—F.N.G.); Western Bluebird, 500; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 1; Water Pipit, 3; Cedar Waxwing, 32; Loggerhead Shrike, 18; Audubon's Warbler, 250; Western Meadowlark, 11; Red-winged Blackbird, 76; Brewer's Blackbird, 55; Purple Finch, 21; House Finch, 200; Am. Goldfinch, 150; Spotted Towhee, 16; Brown Towhee, 69; Lark Sparrow, 16; Rufous-crowned Sparrow, 1; White-crowned Sparrow, 112; Golden-crowned Sparrow, 7; Fox Sparrow, 5; Song Sparrow, 10. **Total,** 78 species; about 5085 individuals.—Mrs. Sidney S. Doner (compiler), Fred N. Gallup.

498. Fresno, Calif. (same area as since 1943: 5 miles in diameter at Lane's Bridge on San Joaquin River, 10 miles north of Fresno in San Joaquin Valley; open plains 20%, riverbottom and thickets along both sides of river, and narrow pond 1 mile long 80%).—Dec. 30; 6:45 a.m. to 4:45 p.m. Clear; temp. 28° to 61°; no wind. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 15 (6 on foot, 9 by car). Pied-billed Grebe, 11; Great Blue Heron, 3; Green Heron, 1; Canada Goose, 7535 (7000 est., 535) [Common Canada, 3500; Lesser Canada, 4000; Cackling, 35]; White-fronted Goose, 7; Snow Goose, 1; Mallard, 152; Pintail, 1; Wood Duck, 4; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Marsh Hawk, 2; Prairie Falcon, 1; Sparrow Hawk, 26; California Quail, 40; Florida Gallinule, 3; Am. Coot, 46; Killdeer, 23; Wilson's Snipe, 6; Spotted Sandpiper, 1; Greater Yellow-legs, 12; Least Sandpiper, 106; Mourning Dove, 50; Belted Kingfisher, 2; Red-shafted Flicker, 26; Acorn Woodpecker, 10; Downy Woodpecker, 2; Nuttall's Woodpecker, 6; Black Phoebe, 3; Say's Phoebe, 3; Horned Lark, 4000 (3700 est., 300); Tree Swallow, 5; Scrub Jay, 28; Plain Titmouse, 8; Common Bushtit, 18; Brown Creeper, 3; House Wren, 3; Bewick's Wren, 5; Rock Wren, 4; Mockingbird, 20; California Thrasher, 2; Western Bluebird, 5; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 45; Water Pipit, 4; Phainopepla, 5; Loggerhead Shrike, 4; Common Starling, 2; Orange-crowned Warbler, 3; Audubon's Warbler, 4; House Sparrow, 16; Western Meadowlark, 32; Red-winged Blackbird, 1; Brewer's Blackbird, 330; Brown-headed Cowbird, 3; Purple Finch, 1; House Finch, 200; Am. Goldfinch, 1500 (1350 est., 150); Lesser Goldfinch, 50; Spotted Towhee, 10; Brown Towhee, 8; Savannah Sparrow, 75; Vesper Sparrow, 8; Lark Sparrow, 148; Oregon Junco, 120; White-crowned Sparrow, 1000 (850 est., 150); Golden-crowned Sparrow, 7; Fox Sparrow, 6; Lincoln's Sparrow, 3; Song Sparrow, 8. **Total,** 70 species (2 additional subspecies); about 15,787 individuals.—W. J. Fitzpatrick, W. B. Minturn (compiler).

499. Hemet–Idyllwild, Calif. (7½-mile radius centering 4 miles east of Hemet including San Jacinto reservoir, Little Lake, Idyllwild, Fulmor Lake and Friendly Hills Wild Life Sanctuary; chaparral 20%, coniferous forest 35%, fresh-water ponds, lake, and marsh 15%, farm wood-lots and plowed land 30%; elevation 1800-6000 ft.).—Jan. 2; 6:30 a.m. to 5 p.m. Clear; temp. 28° to 54°; wind NE, 0-10 m.p.h.; open water except Fulmor Lake partially frozen. Six observers in 2 parties. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 67 (9 on foot, 58 by car). Eared Grebe, 2; Pied-billed Grebe, 6; Great Blue Heron, 2; Canada Goose, 157; Snow Goose, 4; Mallard, 207; Am. Widgeon, 500; Pintail, 730; Green-winged Teal, 6; Shoveller, 15; Redhead, 25; Ring-necked Duck, 2; Canvas-back, 16; Lesser Scaup, 3; Ruddy Duck, 47; Am. Merganser, 16; Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 4; California Quail, 310; Gambel's Quail, 10±; Mountain Quail, 60; Ring-necked Pheasant, 1; Am. Coot, 55; Killdeer, 2; Wilson's Snipe, 6; Least Sandpiper, 6; Mourning Dove, 2; Spotted Dove, 6; Anna's Hummingbird, 3; Belted Kingfisher, 1; Red-shafted Flicker, 11; Acorn Woodpecker, 9; Hairy Woodpecker, 2; Nuttall's Woodpecker, 1; White-headed Woodpecker, 2; Black Phoebe, 2; Say's Phoebe, 1; Steller's Jay, 10; Scrub Jay, 13; Common Raven, 2; Am. Crow, 19; Mountain Chickadee, 30; Common Bushtit, 1; White-breasted Nuthatch, 8; Pygmy Nuthatch, 33; Wren-tit, 1; Am. Dipper, 1; House Wren, 1; Cañon Wren, 1; Rock Wren, 1; Mockingbird, 8; California Thrasher, 1; Am. Robin, 4; Hermit Thrush, 1; Western Bluebird, 20; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 3; Water Pipit, 25; Loggerhead Shrike, 2; Orange-crowned Warbler, 1; Audubon's

Warbler, 24; House Sparrow, 1; Western Meadowlark, 7; Red-winged Blackbird, 1; Brewer's Blackbird, 250 (est.); Brown-headed Cowbird, 12; House Finch, 250 (est.); Am. Goldfinch, 2; Lesser Goldfinch, 10; Lawrence's Goldfinch, 47; Spotted Towhee, 2; Brown Towhee, 15; Savannah Sparrow, 2; Lark Sparrow, 6; Sage Sparrow, 3; Oregon Junco, 31; Chipping Sparrow, 15; White-crowned Sparrow, 75; Golden-crowned Sparrow, 7; Fox Sparrow, 4; Lincoln's Sparrow, 2; Song Sparrow, 3. **Total,** 85 species; about 3195 individuals.—J. H. Comby, Mrs. J. H. Comby, Mike Dunn, E. G. Loomis (compiler), Ernest Maxwell, Louise Munro.

500. Lodi, Calif. (7½-mile radius centering north of Stockton and west of Lodi at junction of Woodbridge Rd. and Thornton Rd.; open fields 55%, riparian growth 9%, rivers and sloughs 9%, lakes 1%, oak woodland 12%, shallow ponds and marshes 7%, vineyards and orchards 2%, urban 5%; essentially the same area as listed under Stockton 1951 and 1952).—Dec. 28; 6 a.m. to 5 p.m. Clear; good visibility; temp. 42° to 63°; no wind; ground considerably drier than previous years due to lack of rains. Five observers in 2 parties. Total party-hours, 15½ (3½ on foot, 12 by car); total party-miles, 126½ (4½ on foot, 122 by car). Pied-billed Grebe, 5; Great Blue Heron, 7; Am. Egret, 4; Green Heron, 1 (H.L.C.); Black-crowned Night Heron, 1; Whistling Swan, 53; Canada Goose, 195 (including Lesser Canada and Cackling); White-fronted Goose, 5420; Snow Goose, 38; Mallard, 18; Pintail, 10,050; Shoveller, 17; Ruddy Duck, 1; Turkey Vulture, 4; White-tailed Kite, 25; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 2; Marsh Hawk, 21; Sparrow Hawk, 49; California Quail, 21; Ring-necked Pheasant, 124; Sandhill Crane, 510 (est.); Virginia Rail, 2; Sora, 1; Florida Gallinule, 3; Am. Coot, 3600 (est.); Ringed Plover, 1; Killdeer, 103; Wilson's Snipe, 13; Long-billed Curlew, 8; Least Sandpiper, 11; Dowitcher, 23; Marbled Godwit, 1; Am. Avocet, 1; Herring Gull, 4; California Gull, 4; Ring-billed Gull, 298; unidentified gulls, 550; Mourning Dove, 57; Barn Owl, 1; Burrowing Owl, 3; Belted Kingfisher, 1; Red-shafted Flicker, 42; Acorn Woodpecker, 13; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 2; Black Phoebe, 19; Say's Phoebe, 3; Horned Lark, 6; Tree Swallow, 1; Scrub Jay, 27; Yellow-billed Magpie, 6; Am. Crow, 65; Plain Titmouse, 3; Common Bushtit, 33; House Wren, 1; Bewick's Wren, 1; Long-billed Marsh Wren, 3; Mockingbird, 13; Am. Robin, 76; Hermit Thrush, 7; Western Bluebird, 16; Mountain Bluebird, 5; Ruby-crowned Kinglet, 25; Water Pipit, 76; Cedar Waxwing, 5; Loggerhead Shrike, 18; Hutton's Vireo, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 1; Audubon's Warbler, 131; Common Yellowthroat, 3; House Sparrow, 45; Western Meadowlark, 185; Red-winged Blackbird, 750 (est.); Tricolored Blackbird, 1; Brewer's Blackbird, 5300 (est.); Brown-headed Cowbird, 9; Purple Finch, 4; House Finch, 216; Pine Siskin, 2; Am. Goldfinch, 306; Lesser Goldfinch, 64; Spotted Towhee, 8; Brown Towhee, 8; Savannah Sparrow, 73; Lark Sparrow, 22; Oregon Junco, 15; White-crowned Sparrow, 300 (est.); Golden-crowned Sparrow, 48; Fox Sparrow, 1; Lincoln's Sparrow, 3; Song Sparrow, 42. **Total,** 94 species (2 additional subspecies); about 29,274 individuals. Also an estimated population of 600 members of genus *Zonotrichia,* species undeterminable, and an estimated 75,000 blackbirds, species undetermined, giving an estimated total count of approximately 105,000 individuals.—H. L. Cogswell, Al Johnson, Don Patton, John Thomson, Herb Wong (compiler).

501. Los Angeles, Calif. (same area as since 1937; 7½-mile radius centering on Pico and La Cienega Blvds., and including North Hollywood, Hollywood Hills, Griffith Park south to Inglewood, west to Santa Monica and the ocean; city streets 1%, residential areas with lawns and trees 23%, parks, cemeteries, etc. 14%, grassy and cultivated areas 10%, brushy slopes and chaparral 32%, wooded areas 5%, reservoirs and lakes 5%, marshes 4%, shore and ocean 5%, other 1%).—Dec. 27; 6:45 a.m. to 5:30 p.m. Visibility fair to excellent; temp. 42° to 62°; wind NE, 5-25 m.p.h.; overcast in a.m., clearing after mid-morning, winds light in a.m., becoming stronger in the north in p.m. The year 1953 was the driest in recorded history. One hundred and twenty-two observers including 103 observers in 37 parties afield, and 19 observers watching yards. Total party-hours, 324 (224 on foot, 100 by car); total party-miles, 608 (166 on foot, 442 by car). Arctic Loon, 4; Red-throated Loon, 3; unidentified loon, 1; Horned Grebe, 3; Eared Grebe, 23; Western Grebe, 1225; Pied-billed Grebe, 50; Brown Pelican, 120; Double-crested Cormorant, 68; Pelagic Cormorant, 10; unidentified cormorants, 37; Great Blue Heron, 21; Am. Egret, 59; Snowy Egret, 30; Green Heron, 5; Black-crowned Night Heron, 13; Canada Goose, 1 (Cackling, resident for some months at various parks); Mallard, 54; Am. Widgeon, 30; Pintail, 1030; Green-winged Teal, 53; Shoveller, 1574; Wood Duck, 1 (resident at MacArthur Park, spring and winter); Redhead, 2; Ring-necked Duck, 9; Canvas-back, 70; Lesser Scaup, 255; Surf Scoter, 222; Ruddy Duck, 427; unidentified ducks, 23; Red-breasted Merganser, 41; Turkey Vulture, 11; White-tailed Kite, 1; Sharp-shinned Hawk, 8; Cooper's Hawk, 10; Red-tailed Hawk, 57; **Swainson's Hawk,** 2 (1 perched and approached fairly closely until flushed, in good plumage; low-flying second bird ragged; both seen in area consisting of cemetery and open woodland—M.D.) [no further details—Ed.]; Marsh Hawk, 12; Osprey, 1; Peregrine Falcon, 2; Sparrow Hawk, 121; unidentified hawks, 3; California Quail, 454; Mountain Quail, 7; Am. Coot, 2787; Snowy Plover, 26; Ringed Plover, 34; Killdeer, 444; Black-bellied Plover, 269; Surf-bird, 1; Ruddy Turnstone, 5; Black Turnstone, 30; Wilson's Snipe, 21; Long-billed Curlew, 1; Hudsonian Curlew, 28; Spotted Sandpiper, 5; Willet, 1185; Greater Yellow-legs, 65; Least Sandpiper, 119; Red-backed Sandpiper, 78; Dowitcher, 142; Western Sandpiper, 244; Marbled Godwit, 223; Sanderling, 151; Am.

Avocet, 63; Glaucous-winged Gull, 155; Western Gull, 447; Herring Gull, 35; California Gull, 793; Ring-billed Gull, 1242; Short-billed Gull, 65; Bonaparte's Gull, 74; Heermann's Gull, 306; unidentified gulls, 1269; Forster's Tern, 14; Mourning Dove, 679; Spotted Dove, 237; Ringed Turtle Dove, 128; Road-runner, 4; Barn Owl, 2; Screech Owl, 2; Horned Owl, 10; Burrowing Owl, 1; Short-eared Owl, 2; White-throated Swift, 30; **Black-chinned Hummingbird,** 10 (reported by 4 parties); **Costa's Hummingbird,** 1 (ad. ♂, approached within 3 ft.; both observers familiar with bird—J.T., P.G.); Anna's Hummingbird, 259; Belted Kingfisher, 15; Red-shafted Flicker, 189; Acorn Woodpecker, 7; Yellow-bellied Sapsucker, 2 (Red-naped, 1; Red-breasted, 1—S.M.N.C.); Hairy Woodpecker, 2; Downy Woodpecker, 6; Nuttall's Woodpecker, 29; Cassin's Kingbird, 3; Ash-throated Flycatcher, 1; Black Phoebe, 182; Say's Phoebe, 9; Horned Lark, 1; Scrub Jay, 471; Common Raven, 6; Am. Crow, 51; Mountain Chickadee, 21; Plain Titmouse, 101; Common Bushtit, 1115; White-breasted Nuthatch, 6; Wren-tit, 430; House Wren, 24; Winter Wren, 1; Bewick's Wren, 63; Mockingbird, 654; California Thrasher, 122; Am. Robin, 467; Hermit Thrush, 230; Western Bluebird, 15; Blue-gray Gnatcatcher, 20; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 69; Water Pipit, 245; Cedar Waxwing, 644; Loggerhead Shrike, 88; Hutton's Vireo, 4; Warbling Vireo, 1 (seen in scrub oaks of Griffith Park by Easterner familiar with species; all field marks noted with 10x50 glasses—J.T.) [no further details—Ed.]; Orange-crowned Warbler, 10; **Lucy's Warbler,** 1 (approached within 20 ft. drinking at spring in chaparral area; all field marks checked; observed with 7x50 glasses—T.G.) [no further details—Ed.]; Audubon's Warbler, 2824; **Black-throated Gray Warbler,** 1 (watched for some time in good light—E.B.); Common Yellow-throat, 6; Black-capped Warbler, 1; House Sparrow, 1413; Western Meadowlark, 440; Red-winged Blackbird, 81; Brewer's Blackbird, 2297; Brown-headed Cowbird, 53; Purple Finch, 73; Cassin's Finch, 10; House Finch, 8194; Pine Siskin, 14; Am. Goldfinch, 164; Lesser Goldfinch, 203; Lawrence's Goldfinch, 18; Spotted Towhee, 117; Brown Towhee, 1045; Savannah Sparrow, 88 (Western, 79; Belding's, 4; Large-billed, 5); Vesper Sparrow, 3; Lark Sparrow, 2; Rufous-crowned Sparrow, 39; Black-throated Sparrow, 1 [no details—Ed.]; Sage Sparrow, 1; Slate-colored Junco, 1 (seen in same spot as last year, feeding with other juncos—C.S.); Oregon Junco, 354; Chipping Sparrow, 43; White-crowned Sparrow, 1306; Golden-crowned Sparrow, 138; Fox Sparrow, 99; Lincoln's Sparrow, 1; Song Sparrow, 230; unidentified sparrows, 101. **Total,** 153 species (3 additional subspecies); about 42,506 individuals. (Seen in area Dec. 26: Hooded Oriole, 2 [1 seen frequently last 2 months same spot—G.H.].) —C. Beasley, Mr. and Mrs. J. Brode, E. Brothers, Mrs. Cochran, J. Cunningham (asst. compiler), M. Driver, Mr. and Mrs. H. Eckler, L. Ely, C. Fiscus, M. Garrantte, Mr. and Mrs. Harkin, Mr. and Mrs. G. Hastings, E. Kennedy, N. Kilgore, Mr. and Mrs. N. Knupp, R. Kremith, Mrs. E. Maule, Dr. and Mrs. D. Modell, Mrs. O'Hara, H. Reid, Mr. and Mrs. R. Rhodes, Mr. and Mrs. M. Silvernale, L. Silvernale, Mr. and Mrs. L. Smith, N. Spencer, C. and N. Splitter (Santa Monica Nature Club); S. Atsatt, Mr. and Mrs. H. Baxter, M. Bay, H. Benson, R. Blackstone, Mr. and Mrs. E. Caswell, H. Clarke (compiler), O. Clarke (asst. compiler), Mr. and Mrs. J. Clements, P. Colburn, E. Craig, R. Curry, H. Dament, Mr. and Mrs. G. DeMay, A., B., and T. DeMay, H. and M. Doyle, M. Dunlap, D. Elsebusch, J. Frederick, B. Fuller, Mr. and Mrs. T. Gee, R. Gee, P. Gould, H. Graves, D. Groner, B. Hawkins, P. Herman, B. Hoffman, D. Holmes, W. Hunt, F. Hutchins, H. Isham, Mrs. T. Jahn, Mr. and Mrs. M. Jahn, R. Julian, Mr. and Mrs. W. Kent, A. Krieger, Mrs. S. Lewis, P. Lindau, V. and E. Lindau, B. Lowney, Mr. and Mrs. R. Mall, Mrs. J. McBride, N. McFarland, E. Michael, Mrs. D. Miller, Mrs. J. Morain, D. Neal, E. Patterson, E. Peterson, C. Pflager, G. Phillips, B. Pope, D. Quattlebaum, R. Ryder, M. Salmon, C. Shaw, A. Snow, Mr. and Mrs. R. Sorgenfrey, L. Stoner, A. Stultz, C. Swift, R. Taylor, R. Tieter, Mr. and Mrs. J. Tiffany, J. Tramontano, M. Wait, A. Watkins, M. Wendt, Mrs. W. Willis, Mr. and Mrs. R. Wilson (Los Angeles Audubon Society).

502. Lytle Creek, Calif. (7½-mile radius centering 2 miles west of Happy Jack Ranch and including Stockton Flats, Happy Jack and Glenn Ranch; chaparral-covered hillsides 85%, pine forest 5%, village suburbs 5%, pasture 2%, marsh ½%, misc. 2½%).—Dec. 29; 5:30 a.m. to 8 p.m. Clear, slight haze from forest fire; temp. 29° to 63°; wind NE to W, 30-45 m.p.h.; winds very strong recently, but very little rain. One observer. Total hours, 14 (on foot); total miles, approx. 25 (on foot). Pied-billed Grebe, 1; Mallard, 2; Lesser Scaup, 2; Ruddy Duck, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Golden Eagle, 2; Sparrow Hawk, 1; California Quail, 12; Mountain Quail, 2; Sora, 1; Am. Coot, 3; Killdeer, 2; Band-tailed Pigeon, 1; Mourning Dove, 3; Screech Owl, 1; Long-eared Owl, 1; Red-shafted Flicker, 2; Acorn Woodpecker, 6; Yellow-bellied Sapsucker (Red-breasted), 2; Hairy Woodpecker, 3; Downy Woodpecker, 1; Nuttall's Woodpecker, 2; White-headed Woodpecker, 3; Black Phoebe, 3; Steller's Jay, 17; Scrub Jay, 32; Piñon Jay, 7; Clark's Nutcracker, 3; Mountain Chickadee, 3; Plain Titmouse, 5; Common Bushtit, 21; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 3; Pgymy Nuthatch, 1; Winter Wren, 2; Bewick's Wren, 1; Cañon Wren, 1; Mockingbird, 1; Am. Robin, 52; Hermit Thrush, 5; Western Bluebird, 24; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 3; Water Pipit, 10; Myrtle Warbler, 1; Audubon's Warbler, 7; Townsend's Warbler, 1; House Sparrow, 12; Brewer's Blackbird, 6; Brown-headed Cowbird, 16; Purple Finch, 12; House Finch, 14; Pine Siskin, 22; Lesser Goldfinch, 3; Lawrence's Goldfinch, 1; Spotted Towhee, 2; Brown Towhee, 35; Savannah Sparrow, 5; Vesper Sparrow, 1; Lark Sparrow, 2; Slate-colored Junco, 2 (observed in company with Oregon Juncos);

Oregon Junco, 92; Brewer's Sparrow, 2 (seen in company with juncos, towhees, and other sparrows in open field near a dump; shy; solid gray breast and finely streaked crown) [no further details—ED.]; White-crowned Sparrow, 14; Golden-crowned Sparrow, 7; Fox Sparrow, 1; Song Sparrow, 9. **Total,** 70 species; 533 individuals. (Seen in area Dec. 28: Mountain Bluebird, 1; Dec. 27: Cedar Waxwing, 12.)—John Strack.

503. Marysville, Calif. (7½-mile radius centering on 4th and E Sts., and including Ellis Lake area, irrigated farmlands north and northeast of Marysville, tule lands and rice fields south of Marysville, and prairie land east of Marysville, extending to entrance of Camp Beale; foothill area 25%, town suburbs 20%, open farmland 55%).—Jan. 3; 7 a.m. to 5 p.m. Cloudy; temp. 34° to 40°; wind S to SE, 20 m.p.h. Six observers in 3 parties. Total party-hours, 33 (8 on foot, 25 by car); total party-miles, 135 (10 on foot, 125 by car). Western Grebe, 6; Pied-billed Grebe, 12; Am. Egret, 50; Black-crowned Night Heron, 2; Canada Goose, 1072; White-fronted Goose, 6; Snow Goose, 672; Mallard, 16; Pintail, 220; Turkey Vulture, 9; Red-tailed Hawk, 4; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 29; California Quail, 7; Ring-necked Pheasant, 2; Virginia Rail, 4; Am. Coot, 200; Killdeer, 156; Band-tailed Pigeon, 50; Mourning Dove, 31; Barn Owl, 2; Red-shafted Flicker, 30; Acorn Woodpecker, 19; Lewis's Woodpecker, 3; Williamson's Sapsucker, 3; Downy Woodpecker, 1; Black Phoebe, 5; Say's Phoebe, 3; Horned Lark, 4; Scrub Jay, 15; Yellow-billed Magpie, 39; Am. Crow, 1324; Plain Titmouse, 1; Common Bushtit, 2; Mockingbird, 3; Am. Robin, 3; Western Bluebird, 28; Mountain Bluebird, 3; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Water Pipit, 100; Loggerhead Shrike, 4; Hutton's Vireo, 3; Audubon's Warbler, 98; House Sparrow, 1165; Western Meadowlark, 269; Brewer's Blackbird, 1760; Purple Finch, 51; House Finch, 252; Am. Goldfinch, 130; Spotted Towhee, 2; Brown Towhee, 4; Lark Sparrow, 14; Oregon Junco, 223; White-crowned Sparrow, 1326; Golden-crowned Sparrow, 322. **Total,** 57 species; 9773 individuals.—J. R. Beeson, Mrs. Gertrude Cable (compiler), Florence Fennell, Mrs. Jerry Lamberskin, Tunia Vandenbout, Mrs. Wesley Van Antwerp.

504. Monterey Peninsula, Calif. (6-mile radius centering on Devil's Hill, including same area as 1949-52 counts; ocean and exposed bays 11%, river-mouth lagoon 3%, beaches 4%, ponds and tule swamps 10%, rocky shore 2%, open fields 16%, brushland 10%, Monterey pine woodland 16%, live oak woodland 5%, golf courses 1%, gardens and village streets 4%, redwoods 3%, deciduous woodland 15%).—Dec. 28; 6:45 a.m. to 7 p.m. Clear; temp. 39° to 70°; wind variable, not over 10 m.p.h.; ground bare. Eight observers in 4 parties. Total party-hours, 27¼ (23¼ on foot, 4 by car); total party-miles, 50¼ (19¼ on foot, 31 by car). Common Loon, 3; Arctic Loon, 38; Red-throated Loon, 8; Red-necked Grebe, 5; Horned Grebe, 3; Eared Grebe, 93; Western Grebe, 46; Pied-billed Grebe, 9; Fulmar, 11; Brown Pelican, 36; Brandt's Cormorant, 140; Pelagic Cormorant, 14; Great Blue Heron, 1; Green Heron, 1; Black-crowned Night Heron, 22; Canada Goose, 5; White-fronted Goose, 1; Mallard, 11; Am. Widgeon, 19; Pintail, 68; Green-winged Teal, 5; Cinnamon Teal, 2; Shoveller, 566; Redhead, 3; Ring-necked Duck, 1; Canvas-back, 245; Greater Scaup, 3; Lesser Scaup, 5; Am. Golden-eye, 2; Buffle-head, 4; Surf Scoter, 376; Ruddy Duck, 433; Red-breasted Merganser, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 14; California Quail, 51; Am. Coot, 732; Black Oyster-catcher, 3; Snowy Plover, 33; Killdeer, 83; Surf-bird, 5; Ruddy Turnstone, 2; Black Turnstone, 10; Wilson's Snipe, 2; Willet, 96; Least Sandpiper, 1; Marbled Godwit, 9; Sanderling, 52; Red Phalarope, 3 (very heavy fall flight, with large numbers seen daily from Oct. to early Dec., when they began to peter out—E.E.H.); Glaucous-winged Gull, 207; Western Gull, 81; Herring Gull, 10; California Gull, 77; Ring-billed Gull, 33; Short-billed Gull, 70; Heermann's Gull, 2; Common Murre, 3; Ancient Murrelet, 4; Band-tailed Pigeon, 14; Mourning Dove, 2; Road-runner, 1; Barn Owl, 1; Screech Owl, 1; Horned Owl, 3; Pygmy Owl, 5; White-throated Swift, 2 (D.M.); Anna's Hummingbird, 9; Belted Kingfisher, 5; Red-shafted Flicker, 42; Acorn Woodpecker, 30; Hairy Woodpecker, 6; Downy Woodpecker, 4; Nuttall's Woodpecker, 1; Black Phoebe, 14; Say's Phoebe, 3; Horned Lark, 79; Steller's Jay, 7; Scrub Jay, 50; Yellow-billed Magpie, 2; Am. Crow, 9; Chestnut-backed Chickadee, 91; Plain Titmouse, 10; Common Bushtit, 74; Pygmy Nuthatch, 31; Brown Creeper, 5; Wren-tit, 21; House Wren, 2; Winter Wren, 5; Bewick's Wren, 14; Long-billed Marsh Wren, 2; Mockingbird, 1; California Thrasher, 2; Am. Robin, 19; Hermit Thrush, 69; Western Bluebird, 8; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 10; Water Pipit, 37; Cedar Waxwing, 7; Loggerhead Shrike, 13; Hutton's Vireo, 10; Orange-crowned Warbler, 1; Audubon's Warbler, 124; Townsend's Warbler, 19; Common Yellow-throat, 3; House Sparrow, 24; Western Meadowlark, 201; Red-winged Blackbird, 2181; Tricolored Blackbird, 2; Brewer's Blackbird, 1081; Brown-headed Cowbird, 1; Purple Finch, 45; House Finch, 525; Pine Siskin, 44; Am. Goldfinch, 5; Lesser Goldfinch, 10; Spotted Towhee, 5; Brown Towhee, 10; Lark Sparrow, 10; Oregon Junco, 240; White-crowned Sparrow, 273; Golden-crowned Sparrow, 359; Fox Sparrow, 100; Lincoln's Sparrow, 1; Song Sparrow, 24. **Total,** 130 species; 9792 individuals. (Recorded in area Dec. 31: Cassin's Auklet, 10; Rhinoceros Auklet, 2.)—Elmer E. Highley, William Hamilton, Robert Ficken, Phyllis Beebe, Louise Hatton, Dan Miller, F. S. L. Williamson, Laidlaw Williams (compiler).

505. Oakland, Calif. (same area as 1949 and subsequent years, 7½-mile circle centered near Lake Temescal, including Bay Farm Island, Point Isabel,

Orinda, St. Mary's College, and Mills College; bay shore [salt marsh and mud flats] 30%, fresh-water lakes and marshes 18%, canyons wooded with live oak and madrone 15%, coniferous areas [Coast Redwood and Monterey Pine] 6%, riparian growth 6%, chaparral-covered hillsides 16%, campus and city parks 9%).—Jan. 3; 7 a.m. to 5:30 p.m. Rain in early a.m., clearing about 10 a.m., mostly cloudy after 1 p.m.; temp. 46° to 57°; no wind. Fifty-two observers in 12 parties, plus 4 observers watching yards. Total party-hours, 93 (80 on foot, 13 by car); total party-miles, 256 (63 on foot, 193 by car). Common Loon, 4; Red-throated Loon, 8; Horned Grebe, 12; Eared Grebe, 77; Western Grebe, 60; Pied-billed Grebe, 30; White Pelican, 2; Brown Pelican, 8; Double-crested Cormorant, 400; Great Blue Heron, 16; Am. Egret, 9; Black-crowned Night Heron, 9; Canada Goose, 520; White-fronted Goose, 3; Mallard, 725; Am. Widgeon, 850; Pintail, 1850; Green-winged Teal, 27; Shoveller, 33; Wood Duck, 12; Ring-necked Duck, 135; Canvas-back, 8100; Greater Scaup, 6; Lesser Scaup, 120; scaup (sp.?), 1075; Am. Golden-eye, 150; Buffle-head, 41; White-winged Scoter, 15; Surf Scoter, 290; scoter (sp.?), 4500; Ruddy Duck, 1800; Hooded Merganser, 7; Am. Merganser, 89; Red-breasted Merganser, 6; ducks (sp.?), 5200; Turkey Vulture, 6; Sharp-shinned Hawk, 6; Cooper's Hawk, 7; Red-tailed Hawk, 37; Marsh Hawk, 1; Sparrow Hawk, 60; California Quail, 300; Ring-necked Pheasant, 1; Clapper Rail, 2; Am. Coot, 2800; Snowy Plover, 1; Ringed Plover, 37; Killdeer, 125; Black-bellied Plover, 500; Black Turnstone, 1; Wilson's Snipe, 1; Long-billed Curlew, 55; Hudsonian Curlew, 2; Spotted Sandpiper, 3; Willet, 1400; Least Sandpiper, 530; Red-backed Sandpiper, 3750; Dowitcher, 165; Western Sandpiper, 15,000; Marbled Godwit, 725; Sanderling, 850; Am. Avocet, 2750; Glaucous-winged Gull, 1900; Western Gull, 850; Herring Gull, 90; California Gull, 650; Ring-billed Gull, 1300; Short-billed Gull, 2750; Bonaparte's Gull, 265; gull (sp.?), 1450; Forster's Tern, 25; Band-tailed Pigeon, 8; Mourning Dove, 188; Screech Owl, 1 (freshly killed on road—S.S.); Horned Owl, 3; Burrowing Owl, 2; Long-eared Owl, 2 (P.W.); Short-eared Owl, 3; Anna's Hummingbird, 67; Belted Kingfisher, 3; Red-shafted Flicker, 175; Acorn Woodpecker, 26; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 20; Nuttall's Woodpecker, 6; Black Phoebe, 20; Say's Phoebe, 2; Horned Lark, 17; Steller's Jay, 85; Scrub Jay, 250; Am. Crow, 3; Chestnut-backed Chickadee, 36; Plain Titmouse, 57; Common Bushtit, 550 (2 nesting—J.W.K.); White-breasted Nuthatch, 11; Red-breasted Nuthatch, 17; Brown Creeper, 7; Wrentit, 100; Winter Wren, 7; Bewick's Wren, 14; Rock Wren, 1 (H.L.C.); Mockingbird, 13; California Thrasher, 13; Am. Robin, 3250; Varied Thrush, 54; Hermit Thrush, 175; Western Bluebird, 24; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 70; Water Pipit, 55; Cedar Waxwing, 400; Loggerhead Shrike, 19; Hutton's Vireo, 10; Orange-crowned Warbler, 1; Myrtle Warbler, 1; Audubon's Warbler, 135; House Sparrow, 600; Western Meadowlark, 160; Red-winged Blackbird, 190; Brewer's Blackbird, 550; Purple Finch, 36; House Finch, 1600; Pine Siskin, 47; Am. Goldfinch, 12; Lesser Goldfinch, 140; Spotted Towhee, 110; Brown Towhee, 400; Savannah Sparrow, 320; Lark Sparrow, 4; Rufous-crowned Sparrow, 7; Slate-colored Junco, 2 (H.A.); Oregon Junco, 1675; White-crowned Sparrow, 950; Golden-crowned Sparrow, 580; White-throated Sparrow, 2 (A.L.C., L.F.); Fox Sparrow, 200; Lincoln's Sparrow, 8; Song Sparrow, 260. **Total,** 135 species; about 78,352 individuals.—Betty and Harry Adamson, Warren Armstrong, Albert Boles, Sadie Bozant, Howard Cogswell, Paul Covel, Laurence Curl, Elma Dean, Donald DeFoe, Eve and Lynn Foree, Sid Freitas, Linnell Gates, Jack Guggolz, Bert Harwell, Joel Hedgpeth, Lillian Henningson, Al Johnson, David Johnston, Junea W. Kelly, Mr. and Mrs. Tom Kendall, Celeste and Wm. Kirsher, Bob Kurtz, Wm. Landels, Richard and Mary Leinbach, Don McDonald, Isabel McGeehon, Jim Meritt, Arthur Myer, Elizabeth O'Meara, Paul Opler, Don Patton, Bob Perry, Harold Peterson, Wm. Pope, Russell Pray, Amy Rinehart, Kenneth Schulz, Dorothy Dean and Frank Scott, Sandy Sprunt, Lee Stallcup, Marie Sterne, Grove Thomas, Evelyn Van Scyoc, Peter Veitch, Henry Wagner, Blanche Wallace, Norma Warner, Phila Witherell, Herbert Wong, Minnie Young (Golden Gate and Mt. Diablo Audubon Societies).

506. Oceanside–Vista, Calif. (7½-mile radius centering near Vista, and including Maxton Brown Bird Sanctuary and adjoining ocean beach, San Luis Rey valley and Gopher Canyon areas; brackish lagoons 40%, ocean shore 10%, tule marsh, shallow reservoirs and dry lakes 10%, dry valley and surrounding farmland 40%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 34° to 58°; wind SW, 5-8 m.p.h.; ground very dry from lack of winter rains. Six observers in 3 parties. Total party-hours, 26 (21 on foot, 5 by car); total party-miles, 105 (14 on foot, 91 by car). Eared Grebe, 10; Western Grebe, 11; Pied-billed Grebe, 21; Brown Pelican, 1; Double-crested Cormorant, 9; Great Blue Heron, 5; Am. Egret, 9; Snowy Egret, 4; Green Heron, 1; Black-crowned Night Heron, 98; Am. Bittern, 1; White-faced Ibis, 4; Canada Goose, 6; Mallard, 1; Am. Widgeon, 6; Pintail, 124; Green-winged Teal, 41; Shoveller, 429; Lesser Scaup, 2; **Am. Scoter,** 13 (observed offshore with 8x and 10x glasses; lack of white on head and wings noted—L.C.H., D.T.W.); Ruddy Duck, 107; Turkey Vulture, 15; White-tailed Kite, 16; Sharp-shinned Hawk, 2; Cooper's Hawk, 6; Red-tailed Hawk, 13; Red-shouldered Hawk, 3; **Rough-legged Hawk,** 6 (typical habitat, manner of flight, etc.—L.C.H.); Golden Eagle, 3; Marsh Hawk, 7; Sparrow Hawk, 43; California Quail, 49; Ring-necked Pheasant, 1; Sandhill Crane, 4 (L.B.W., L.C.H.); Clapper Rail, 2; Am. Coot, 818; Killdeer, 98; Black-bellied Plover, 29; Wilson's Snipe, 2; Hudsonian Curlew, 6; Willet, 19; Greater Yellowlegs, 2; Dowitcher, 5; Western Sandpiper, 46; Marbled Godwit, 2; Sanderling, 106; Red Phalarope, 4 (observed in ocean lagoon close enough to note shorter, thicker bill and general coloring—D.T.W.); Western Gull, 40; California Gull, 60; Ring-

billed Gull, 190; Forster's Tern, 30; Mourning Dove, 303; Spotted Dove, 1; Road-runner, 2; Barn Owl, 2; Burrowing Owl, 2; White-throated Swift, 50; Anna's Hummingbird, 17; Belted Kingfisher, 1; Red-shafted Flicker, 17; Yellow-bellied Sapsucker (Red-naped), 1; Nuttall's Woodpecker, 3; Cassin's Kingbird, 2; Black Phoebe, 35; Say's Phoebe, 18; Horned Lark, 60; Scrub Jay, 2; Am. Crow, 254; Common Bushtit, 153; Wren-tit, 6; House Wren, 2; Bewick's Wren, 3; Long-billed Marsh Wren, 7; Mockingbird, 56; Am. Robin, 11; Hermit Thrush, 11; Western Bluebird, 98; Ruby-crowned Kinglet, 8; Water Pipit, 44; Loggerhead Shrike, 39; Orange-crowned Warbler, 7; Audubon's Warbler, 321; Common Yellow-throat, 11; House Sparrow, 33; Western Meadowlark, 114; Yellow-headed Blackbird, 50; Red-winged Blackbird, 1086; Tricolored Blackbird, 450; **Bullock's Oriole,** 1 (imm.; present at feeding tray for week; markings, wing bars, etc., carefully checked—Mrs. H.D.B.); Brewer's Blackbird, 586; House Finch, 614; Am. Goldfinch, 22; Lesser Goldfinch, 66; Lawrence's Goldfinch, 4; Spotted Towhee, 1; Brown Towhee, 42; Savannah Sparrow, 331 (including Belding's, 48); Lark Sparrow, 6; Oregon Junco, 35; Chipping Sparrow, 18; White-crowned Sparrow, 644; Song Sparrow, 27. **Total,** 103 species (1 additional subspecies); 8207 individuals.—Mrs. H. D. Brown, L. Claire Hulbert (compiler), Frances Loomis Wallace, Eddie Weaver, Louis B. Weaver, Dale T. Wood (Buena Vista Audubon Society).

507. Orange County (central and coastal), Calif. (same area as in 1953; ocean 10%, salt marsh 40%, fields 30%, grasslands 10%, urban 10%).—Dec. 29; 7 a.m. to 5 p.m. Clear; temp. 40° to 65°; wind 10 m.p.h.; ground extremely dry. Twelve observers in 4 parties. Total party-hours, 32 (24 on foot, 8 by car); total party-miles, 182 (45 on foot, 137 by car). Common Loon, 2; **Red-necked Grebe,** 1 (gray neck and large size clearly noted—A.Z.); Horned Grebe, 46; Eared Grebe, 56; Western Grebe, 82; Pied-billed Grebe, 25; White Pelican, 15; Brown Pelican, 40; Double-crested Cormorant, 70; Brandt's Cormorant, 3; Great Blue Heron, 56; Am. Egret, 87; Snowy Egret, 31; Canada Goose, 23; Am. Widgeon, 1000; Pintail, 2088; Green-winged Teal, 150; Cinnamon Teal, 1; Shoveller, 707; scaup (sp.), 33; White-winged Scoter, 1; Surf Scoter, 3302; **Am. Scoter,** 13 (black plumage and light base of bill clearly seen—A.L., E.J.); Ruddy Duck, 254; Red-breasted Merganser, 45; Turkey Vulture, 12; White-tailed Kite, 15; Red-tailed Hawk, 6; Ferruginous Hawk, 2; Golden Eagle, 1; Marsh Hawk, 15; Sparrow Hawk, 55; California Quail, 20; Clapper Rail, 2; Sora, 7; Am. Coot, 1124; Snowy Plover, 46; Killdeer, 278; Black-bellied Plover, 115; Black Turnstone, 3; **Wilson's Snipe,** 1000 (due to very dry season, concentrated around fresh-water ponds maintained by private gun club; count taken on non-shooting day; remained for several months); Long-billed Curlew, 16; Hudsonian Curlew, 5; Spotted Sandpiper, 1; Willet, 1232; Greater Yellow-legs, 6; Baird's Sandpiper, 4 (observed at close range on 2 successive days by different observers; buffy breast, short bill, larger than Western—A.Z., F.R.) [no further details—Ed.]; Least Sandpiper, 727; Red-backed Sandpiper, 436; Dowitcher, 491; Western Sandpiper, 1689; Marbled Godwit, 599; Sanderling, 338; Am. Avocet, 154; **Northern Phalarope,** 7 (definitely identified by 1 specimen found dead; others observed at 15 ft. with 7x glasses; spinning feeding habit and other identifying marks noted—A.Z., F.Z.); Glaucous-winged Gull, 51; Western Gull, 748; Herring Gull, 98; California Gull, 23; Ring-billed Gull, 1247; Bonaparte's Gull, 112; Heermann's Gull, 14; unidentified gulls, 5720 (attracted by test-blasting for tidelands oil 2 miles off shore—A.L., E.J.); Forster's Tern, 245; **Common Tern,** 4 (black patch around back of head, white tail noted—A.L., E.J.); Mourning Dove, 243; Spotted Dove, 9; Barn Owl, 3; Burrowing Owl, 2; Short-eared Owl, 19; Anna's Hummingbird, 7; Belted Kingfisher, 3; Red-shafted Flicker, 2; Acorn Woodpecker, 1; Downy Woodpecker, 2; Cassin's Kingbird, 1; Black Phoebe, 15; Say's Phoebe, 15; Horned Lark, 41; Scrub Jay, 8; Common Raven, 4; Am. Crow, 36; Common Bushtit, 46; House Wren, 1; Bewick's Wren, 32; Long-billed Marsh Wren, 6; Mockingbird, 21; Hermit Thrush, 4; Western Bluebird, 5; Mountain Bluebird, 19; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 1; Water Pipit, 419; Loggerhead Shrike, 32; Orange-crowned Warbler, 2; Audubon's Warbler, 56; Common Yellow-throat, 3; House Sparrow, 404; Western Meadowlark, 182; Red-winged Blackbird, 802; Brewer's Blackbird, 548; Purple Finch, 1; House Finch, 816; Am. Goldfinch, 1; Lesser Goldfinch, 11; Spotted Towhee, 1; Brown Towhee, 25; Savannah Sparrow, 772 (including Belding's, 32); White-crowned Sparrow, 350; Lincoln's Sparrow, 3; Song Sparrow, 118. **Total,** 110 species (1 additional subspecies); about 29,894 individuals.—Arnold Lane, Mrs. Orville Johnson, Vanche Plumb, Mabel Whiting, Anna Trythall, John Franz, Irving Meyer, Mrs. Irving Meyer, Francis Raymond, Arthur Porges, Alice Zimmerman, Fern Zimmerman (compiler).

508. Orange County (northeastern), Calif. Peter's Canyon, Irvine Park, Santiago Canyon, Black Star Canyon, Silverado Canyon, Modjeska Canyon, Tucker Bird Sanctuary, Trabuco Canyon, Aliso Canyon, within 15-mile diameter; sycamore and oak woodland 40%, chaparral 30%, grassland 25%, cultivated 4%, reservoirs 1%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 35° to 68°; wind NE, 5-25 m.p.h.; ground extremely dry, very little available water. Sixteen observers in 4 parties. Total party-hours, 30 (24 on foot, 6 by car); total party-miles, 113 (48 on foot, 65 by car). Eared Grebe, 9; Pied-billed Grebe, 7; Great Blue Heron, 1; Am. Egret, 3; Mallard, 2; Am. Widgeon, 1; Pintail, 12; Lesser Scaup, 10; Ruddy Duck, 74; Red-breasted Merganser, 6; Turkey Vulture, 15; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 15; **Rough-legged Hawk,** 1 (black terminal tail band and white rump noted—A.Z., F.Z.; 2 seen in same area week before Count—F.R.); Marsh Hawk, 4; Sparrow Hawk, 26; California Quail, 219; Mountain Quail,

2; Am. Coot, 276; Killdeer, 24; Greater Yellow-legs, 1; Band-tailed Pigeon, 43; Mourning Dove, 84; Road-runner, 3; Horned Owl, 3; White-throated Swift, 20; Anna's Hummingbird, 27; Red-shafted Flicker, 44; Acorn Woodpecker, 311; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 1; Nuttall's Woodpecker, 14; Cassin's Kingbird, 1; Black Phoebe, 24; Say's Phoebe, 27; Scrub Jay, 126; Common Raven, 23; Am. Crow, 82; Mountain Chickadee, 4; Plain Titmouse, 68; Common Bushtit, 233; White-breasted Nuthatch, 7; Wren-tit, 68; Bewick's Wren, 20; Cañon Wren, 1; Mockingbird, 17; California Thrasher, 23; Hermit Thrush, 135; Western Bluebird, 91; Mountain Bluebird, 2; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 24; Water Pipit, 212; Cedar Waxwing, 17; Loggerhead Shrike, 3; Hutton's Vireo, 3; Orange-crowned Warbler, 4; Audubon's Warbler, 1682; House Sparrow, 18; Western Meadowlark, 80; Brewer's Blackbird, 155; Purple Finch, 15; House Finch, 673; Pine Siskin, 4; Am. Goldfinch, 13; Lesser Goldfinch, 90; Spotted Towhee, 55; Brown Towhee, 155; Savannah Sparrow, 4; Lark Sparrow, 194; Rufous-crowned Sparrow, 2; **Slate-colored Junco,** 1; Oregon Junco, 236; **Gray-headed Junco,** 1 (both Slate-colored and Gray-headed Juncos present at Tucker Sanctuary over a month before Count and identified by numerous people; both clearly seen on Count day—A.L., H.B., J.B.); White-crowned Sparrow, 1801; Golden-crowned Sparrow, 114; Fox Sparrow, 11; Song Sparrow, 30. **Total,** 79 species; 7812 individuals.—Jewel Bezore, Anthony and Frank Brackett, Helen Brough, Josephine Bull, Mrs. Hedley Holter, Ester Johnson, Arnold Lane, Andy Lutterbien, Pearl and Vanche Plumb, Francis Raymon, Margaret Shull, Herb Thomas, Alice and Fern Zimmerman (members California Audubon, Laguna Beach Nature Study Club, Orange County Audubon, and supporters of Tucker Bird Sanctuary).

509. Palm Springs, Calif. (Palm Springs and area surrounding town, Tahguitz Canyon, Andreas Canyon, Palm Canyon, airport; desert area 60%, canyons 25%, town limits 15%).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp. 35° to 66°; no wind. Two observers in 1 party. Total hours, 10 (5 on foot, 5 by car); total miles, 30 (5 on foot, 25 by car). Sparrow Hawk, 1; Gambel's Quail, 34; Mourning Dove, 40; Spotted Dove, 5; Anna's Hummingbird, 1; Red-shafted Flicker, 1; Yellow-bellied Sapsucker (Red-breasted), 1; Downy Woodpecker, 1; Ladder-backed Woodpecker, 1; Verdin, 6; Common Bushtit, 8; Bewick's Wren, 1; Rock Wren, 1; Mockingbird, 9; Western Bluebird, 50; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 4; Phainopepla, 7; Audubon's Warbler, 2; House Sparrow, 25; **Scott's Oriole,** 1 (♂ in fine plumage, observed in palm trees with 8x glasses, though at times so close none were needed; all marks recorded); Brewer's Blackbird, 7; House Finch, 15; Am. Goldfinch, 4; Lesser Goldfinch, 3; White-crowned Sparrow, 16. **Total,** 26 species; 245 individuals. (Seen in area Dec. 28: Lark Sparrow, 6; Jan. 1: Cactus Wren, 1; Loggerhead Shrike, 1; Western Meadowlark, 2.)—Ruth and Earle R. Greene.

510. Pasadena–San Gabriel Valley, Calif. (same area as last year).—Dec. 29; 6 a.m. to 4:30 p.m. Clear; temp. 37° to 62°; wind variable, 3-10 m.p.h. Thirty-six observers in 13 parties. Total party-hours, 47 (46½ on foot, ½ by car); total party-miles, 81 (77 on foot, 4 by car). Pied-billed Grebe, 9; Am. Egret, 15; Snowy Egret, 9; Green Heron, 10; Black-crowned Night Heron, 1; Am. Bittern, 1; Mallard, 7; Am. Widgeon, 1; Ring-necked Duck, 6; Canvas-back, 10; Ruddy Duck, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 8; Red-shouldered Hawk, 9; Golden Eagle, 1; Prairie Falcon, 2; Pigeon Hawk, 1 (observed in good light by experienced observer; dark plumage and flight noted); Sparrow Hawk, 40; California Quail, 157; Ring-necked Pheasant, 11; Sora, 1; Florida Gallinule, 2; Am. Coot, 283; Killdeer, 112; Wilson's Snipe, 25; Greater Yellow-legs, 2; Least Sandpiper, 5; Dowitcher, 12; **Herring Gull,** 1 (observed through 7x35 glasses with Calif. Gull nearby for size comparison; yellow eye-ring and pale yellow iris noted); California Gull, 37; Ring-billed Gull, 46; Band-tailed Pigeon, 80; Mourning Dove, 257; Spotted Dove, 124; Barn Owl, 1; Screech Owl, 5; Horned Owl, 3; Burrowing Owl, 1; White-throated Swift, 24; Anna's Hummingbird, 48; Belted Kingfisher, 4; **Yellow-shafted Flicker,** 1 (observed at 25 ft. in excellent light with 6x30 binoculars; seen perched and in flight; yellow shafts and black whiskers of ♂ noted—J.T.); Red-shafted Flicker, 60; Acorn Woodpecker, 15; Yellow-bellied Sapsucker, 3 (Red-naped, 1; Red-breasted, 2); Hairy Woodpecker, 3; Downy Woodpecker, 17; Nuttall's Woodpecker, 9; Cassin's Kingbird, 1; Black Phoebe, 42; Say's Phoebe, 7; Horned Lark, 33; Steller's Jay, 7; Scrub Jay, 123; Am. Crow, 332; Mountain Chickadee, 11; Plain Titmouse, 22; Common Bushtit, 427; White-breasted Nuthatch, 8; Wren-tit, 55; House Wren, 7; Bewick's Wren, 50; Long-billed Marsh Wren, 7; Cañon Wren, 1; Rock Wren, 4; Mockingbird, 143; California Thrasher, 29; Am. Robin, 36; Hermit Thrush, 40; Western Bluebird, 41; Blue-gray Gnatcatcher, 28; Ruby-crowned Kinglet, 41; Water Pipit, 185; Cedar Waxwing, 62; Loggerhead Shrike, 18; Hutton's Vireo, 14; Orange-crowned Warbler, 7; Audubon's Warbler, 413; Common Yellow-throat, 55; House Sparrow, 477; Western Meadowlark, 138; Red-winged Blackbird, 129; Brewer's Blackbird, 223; Cardinal, 40; Purple Finch, 59; Cassin's Finch, 8; House Finch, 6112; Pine Siskin, 24; Am. Goldfinch, 106; Lesser Goldfinch, 114; Lawrence's Goldfinch, 27; Spotted Towhee, 76; Brown Towhee, 199; Savannah Sparrow, 381; Lark Sparrow, 34; Rufous-crowned Sparrow, 3; Oregon Junco, 158; **Gray-headed Junco,** 4 (observed in good light with 7x glasses; with Oregon Juncos; general grayness and gray head noted); Chipping Sparrow, 91; White-crowned Sparrow, 564; Golden-crowned Sparrow, 10; Fox Sparrow, 2; Lincoln's Sparrow, 14; Song Sparrow, 452. **Total,** 105 species (1 additional subspecies); about 13,183 individuals.—Leta Adams,

Wm. Bair, Mr. and Mrs. J. H. Comby, Fern Downing, Mrs. Robert Doyle, Marilyn Doyle, Merritt Dunlap, Roland Dunlap, John Forsman, Pat Gould, Robert Hays, Bill Hawkins, Paul Herman, Dick Holmes, Sara Jussen, Mrs. Charles and Laurel and Ardath Kinninger, Louisa Luckan, Enid Michael, Florence Plann, Mrs. C. J. Parker, D. R. Powers, Alma Stultz, Eric Swob, Darrel Thede, John Tramontano, Darrel Vandever, John and Craig Walker, John Willis, Cora Wilson, Joan Wilson, Gertrude Woods, Dan Quattlebaum (compiler).

511. Paso Robles, Calif. (Paso Robles residential area, dooryards and 1 brushy hillside; shore of Atascadero Lake bordered with tules and cattails; rolling hills and small canyons, grain and cattle country—oak trees, ranch reservoirs, alfalfa fields, dry river beds, willows by spring).—Dec. 29; 7 a.m. to 5:30 p.m. Clear; temp. 32° to 55°; almost no wind. Nine observers in 4 parties. Total party-hours, 22 (13 on foot, 9 by car); total party-miles, 109 (2 on foot, 107 by car). Pied-billed Grebe, 12; Great Blue Heron, 1; Black-crowned Night Heron, 2; Whistling Swan, 6; Mallard, 1; Shoveller, 7; Ruddy Duck, 48; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Ferruginous Hawk, 1; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 20; California Quail, 124; Am. Coot, 138; Killdeer, 11; Least Sandpiper, 3; Mourning Dove, 286; Red-shafted Flicker, 3; Acorn Woodpecker, 21; Lewis's Woodpecker, 5; Yellow-bellied Sapsucker (Red-breasted), 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 4; Western Kingbird, 2 (Mrs. F.K.); Cassin's Kingbird, 2; Black Phoebe, 4; Say's Phoebe, 6; Horned Lark, 222; Scrub Jay, 15; Yellow-billed Magpie, 18; Common Raven, 9; Am. Crow, 26; Plain Titmouse, 7; Common Bushtit, 80; White-breasted Nuthatch, 5; Wren-tit, 2; House Wren, 1; Winter Wren, 1; Bewick's Wren, 3; Mockingbird, 2; California Thrasher, 1; Am. Robin, 2; Hermit Thrush, 3; Western Bluebird, 18; Mountain Bluebird, 4; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 10; Water Pipit, 8; Cedar Waxwing, 10; Phainopepla, 4; Loggerhead Shrike, 34; Audubon's Warbler, 115; House Sparrow, 55; Western Meadowlark, 87; Red-winged Blackbird, 11; Brewer's Blackbird, 625; Purple Finch, 4; House Finch, 245; Lesser Goldfinch, 13; Spotted Towhee, 3; Brown Towhee, 4; Savannah Sparrow, 95; Lark Sparrow, 331; Oregon Junco, 26; White-crowned Sparrow, 224; Golden-crowned Sparrow, 93; Fox Sparrow, 1; Song Sparrow, 4. **Total,** 72 species; 3145 individuals.—Ruth Parker, Mrs. Ida Livingston, Mrs. Lois Webster, Mrs. Clare Hardham, Mrs. Peggy Hahl, Eben McMillan and son, Mrs. Frida Knight, Georgia Brown (compiler).

512. Pauma Valley (northern San Diego Co.), Calif. (same as last year, including now 4 feeding stations, with less time in newly cleared and planted pastures and groves and more time in live oak woods).—Jan. 1; 6:30 a.m. to 5 p.m. Clear and dry with thin western clouds 1 hr. before sunset; temp. 34° to 61°; wind very light, prevailing westerly; Wohlford Reservoir very low, creeks and river dry, except usual 1 mile of surface flow in Narrows of San Luis Rey River. Six observers in 4 parties. Total party-hours, 28 (20 on foot, 8 by car); total party-miles, 48 (20 on foot, 28 by car). Pied-billed Grebe, 6; Pintail, 10; Shoveller, 435 (300 est.); Ruddy Duck, 16; Am. Merganser, 18; Cooper's Hawk, 4; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 20; California Quail, 360 (181 est.); Am. Coot, 47; Killdeer, 48; Spotted Sandpiper, 9; sandpiper (sp.?), 1; Band-tailed Pigeon, 2; Mourning Dove, 97 (50 est.); Barn Owl, 4; Anna's Hummingbird, 3; Belted Kingfisher, 1; Red-shafted Flicker, 21; Acorn Woodpecker, 52; Yellow-bellied Sapsucker, 2; Nuttall's Woodpecker, 4; kingbird (sp.), 1; Black Phoebe, 20; Say's Phoebe, 16; Scrub Jay, 42; Common Raven, 2; Mountain Chickadee, 2; Plain Titmouse, 30; Common Bushtit, 140; White-breasted Nuthatch, 10; Wren-tit, 38; House Wren, 3; **Winter Wren,** 1 (in typical habitat along San Luis Rey River; also seen on Dec. 30—Mrs. M.J.B.); Bewick's Wren, 17; Cañon Wren, 1; Rock Wren, 2; Mockingbird, 10; California Thrasher, 14; Am. Robin, 47; Hermit Thrush, 87 (20 est.); Western Bluebird, 68; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 19; Water Pipit, 1; Cedar Waxwing, 66; Phainopepla, 1; Loggerhead Shrike, 7; Orange-crowned Warbler, 2; Audubon's Warbler, 605 (301 est.); House Sparrow, 36; Western Meadowlark, 21; Scott's Oriole, 1 [no details—Ed.]; Brewer's Blackbird, 1300 (est.); Purple Finch, 58 (20 est.); House Finch, 159 (50 est.); Pine Siskin, 25; Am. Goldfinch, 1; Lesser Goldfinch, 76; Lawrence's Goldfinch, 3; Spotted Towhee, 56; Brown Towhee, 68; Savannah Sparrow, 80 (50 est.); Lark Sparrow, 111 (100 est.); Rufous-crowned Sparrow, 8; Oregon Junco, 96; Chipping Sparrow, 155 (100 est.); White-crowned Sparrow, 245; Golden-crowned Sparrow, 16; Fox Sparrow, 7; Song Sparrow, 30. **Total,** 73 species; about 4974 individuals. (Seen in area during Count period: White-tailed Kite, Golden Eagle, Road-runner, Varied Thrush, Common Yellow-throat, Red-winged Blackbird.)—Mr. and Mrs. Homer V. Sharpless, Mrs. Sidney S. Doner, Fred N. Gallup, Suzanne Serrano, Mrs. Millard J. Beemer.

513. Red Bluff, Calif. (same as last year with addition of following areas: Paskenta-Corning, Redding-Cottonwood, Dale's Station, and Lone Cone Butte; pasture 15%, town-suburb 10%, rolling grassland 20%, river and sloughs 10%, creeks and gravel bars 10%, semi-brush-covered hills 15%, deciduous plots 10%, pine-juniper and rain lakes 10%).—Dec. 26; 8 a.m. to 5 p.m. Clear with some high haze; temp. 40° to 62°; wind S to SE, 2-6 m.p.h.; dry open winter. Fourteen observers in 7 parties. Total party-hours, 56 (42 on foot, 14 by car); total party-miles, 186 (20 on foot, 166 by car). Horned Grebe, 1; Eared Grebe, 29; Pied-billed Grebe, 8; Double-crested Cormorant, 1; Great Blue Heron, 7; Am. Egret, 3; Whistling Swan, 438+; Canada Goose, 7500+ (including Cackling, 250); Mallard, 22; Am. Widgeon, 236; Green-winged Teal, 86;

Blue-winged Teal, 7 [no details—Ed.]; Cinnamon Teal, 2; Shoveller, 5; Wood Duck, 60; Redhead, 2; Ring-necked Duck, 84; Canvas-back, 36; Lesser Scaup, 42; Ruddy Duck, 36; Hooded Merganser, 28; Am. Merganser, 1; Turkey Vulture, 39; Sharp-shinned Hawk, 2; Red-tailed Hawk, 19; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 53; California Quail, 163; Ring-necked Pheasant, 30; Sandhill Crane, 350+; Am. Coot, 430+; Killdeer, 87+; Wilson's Snipe, 40+; Spotted Sandpiper, 1; Greater Yellow-legs, 7; Mourning Dove, 109; Screech Owl, 3; Horned Owl, 5; Belted Kingfisher, 5; Red-shafted Flicker, 110; Acorn Woodpecker, 73; Lewis's Woodpecker, 77; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 8; Nuttall's Woodpecker, 3; Black Phoebe, 3; Say's Phoebe, 3; Horned Lark, 46+; Steller's Jay, 2; Scrub Jay, 155; Yellow-billed Magpie, 380; Am. Crow, 61; Black-capped Chickadee, 10; Mountain Chickadee, 2; Plain Titmouse, 23; Common Bushtit, 65+; White-breasted Nuthatch, 24; Pygmy Nuthatch, 4; Brown Creeper, 2; Wren-tit, 2; Am. Dipper, 1; Bewick's Wren, 6; Rock Wren, 13; Mockingbird, 2; California Thrasher, 3; Am. Robin, 112; Hermit Thrush, 2; Western Bluebird, 104; Mountain Bluebird, 28; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 48; Water Pipit, 306; Cedar Waxwing, 61; Loggerhead Shrike, 40; Hutton's Vireo, 16; Orange-crowned Warbler, 4; Audubon's Warbler, 28; Black-throated Gray Warbler, 1 [no details—Ed.]; Black-capped Warbler, 1; House Sparrow, 46; Western Meadowlark, 1310; Red-winged Blackbird, 200; Brewer's Blackbird, 1456; Purple Finch, 52; House Finch, 491; Pine Siskin, 75; Am. Goldfinch, 85; Lesser Goldfinch, 736; Spotted Towhee, 54; Brown Towhee, 53; Savannah Sparrow, 1222; Vesper Sparrow, 30; Lark Sparrow, 64; Oregon Junco, 775; White-crowned Sparrow, 1098; Golden-crowned Sparrow, 3; Fox Sparrow, 4; Lincoln's Sparrow, 2; Song Sparrow, 33. **Total,** 103 species (1 additional subspecies); about 19,609 individuals.—Mable and Robert Todd, Rodney Gregg, Betty Dalby, Ruth Wetter, Helen and Arlo Taft, Lucy and Sidney Watson, Don, Mina, and Byron Wittorf, George and Beatrice Nielsen (compiler) (Mt. Lassen Bird Club).

514. Redlands, Calif. (7½-mile radius centering on Igo's Center and public campground, Mill Creek Canyon from Mentone to Big Falls public campground, Camp Angelus, Jenks Lake, Barton Flats and Seven Oaks; dry coniferous forest about 60%, chaparral about 15%, wooded canyons about 15%, open fields and pond margins about 10%).—Dec. 28; 8 a.m. to 6 p.m. Clear and mild; temp. 39° to 65°; wind 0-12 m.p.h.; Jenks Lake (7000 ft.) frozen, lower reservoirs and Mill Creek open. Seven observers in 2 parties. Total party-hours, 15 (5 on foot, 10 by car); total party-miles, 124 (4 on foot, 120 by car). Eared Grebe, 1; Pied-billed Grebe, 1; Mallard, 7; Am. Widgeon, 3; Lesser Scaup, 52; Ruddy Duck, 85; Red-tailed Hawk, 2; Golden Eagle, 2; Sparrow Hawk, 4; California Quail, 80; Am. Coot, 20; Killdeer, 4; Band-tailed Pigeon, 2; Mourning Dove, 7; Spotted Dove, 1; Road-runner, 1; unidentified hummingbird, 1; Red-shafted Flicker, 6; Acorn Woodpecker, 36; Yellow-bellied Sapsucker (Red-breasted, 2; Red-naped, 1), 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 9; White-headed Woodpecker, 16; Black Phoebe, 1; Say's Phoebe, 1; Steller's Jay, 24; Scrub Jay, 47; Common Raven, 4; Mountain Chickadee, 52; Plain Titmouse, 4; Common Bushtit, 6; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 5; Pygmy Nuthatch, 10; Brown Creeper, 1; Wren-tit, 3; Bewick's Wren, 7; Cañon Wren, 1; Rock Wren, 2; Mockingbird, 9; California Thrasher, 5; Am. Robin, 13; Hermit Thrush, 6; Western Bluebird, 179; Ruby-crowned Kinglet, 24; Phainopepla, 3; Loggerhead Shrike, 2; Hutton's Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 4; **Painted Redstart,** 1 (seen by all members on day of Count, also for a week prior to Count date and numerous times since, color movie taken; this species seen in exact same location Dec. 15 last year but not validated at that time and not seen on Count last year); Brewer's Blackbird, 9; Purple Finch, 1; Cassin's Finch, 1; House Finch, 80; Pine Siskin, 131; Lawrence's Goldfinch, 3; Spotted Towhee, 3; Brown Towhee, 19; Oregon Junco, 76; Gray-headed Junco, 1; White-crowned Sparrow, 5; Golden-crowned Sparrow, 17; Song Sparrow, 4. **Total,** 65 species (1 additional subspecies); about 1126 individuals.—Lucille Abbott, J. Calderone, Lillie Freeman, Jeanne Goodman, J. D. Goodman (compiler), Cora Martin, Robert Martin.

515. Sacramento, Calif. (7½-mile radius centering at confluence of American and Sacramento rivers; towns and suburbs 30%, open fields 60%, riparian woodland 5%, marsh 3%, open water 2%).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 38° to 68°; wind N, mounting to 45 m.p.h. in p.m. Fifty-nine observers in 9 parties. Total party-hours, 72 (24 on foot, 48 by car); total party-miles, 520 (30 on foot, 490 by car). Eared Grebe, 5; Pied-billed Grebe, 74; Great Blue Heron, 24; Am. Egret, 5; Green Heron, 1; Black-crowned Night Heron, 1 (roosting trees cut down a short time prior to Count); Whistling Swan, 114; Canada Goose, 13,000 (est.; including Lesser Canadas and large numbers of Cackling Geese); White-fronted Goose, 15,000 (est.); Snow Goose, 16,000 (est.); Ross's Goose, 2; Mallard, 370; Gadwall, 2; Pintail, 1000 (est.); Green-winged Teal, 8; Cinnamon Teal, 27; Shoveller, 3; Wood Duck, 13; Ring-necked Duck, 81; Canvas-back, 9; Buffle-head, 5; Ruddy Duck, 26; Turkey Vulture, 8; White-tailed Kite, 8; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 63; Red-shouldered Hawk, 5; Ferruginous Hawk, 1; Marsh Hawk, 131; Peregrine Falcon, 1; Sparrow Hawk, 270; California Quail, 200; Ring-necked Pheasant, 148; Virginia Rail, 2; Florida Gallinule, 39; Am. Coot, 2300 (est.); Killdeer, 1350; Wilson's Snipe, 5; Long-billed Curlew, 18; Hudsonian Curlew, 3; Spotted Sandpiper, 1; Willet, 2; Greater Yellow-legs, 19; Least Sandpiper, 60; Red-backed Sandpiper, 160; Dowitcher, 3; Western Sandpiper, 150; Marbled Godwit, 3; California Gull, 1200 (est.); Ring-billed

Gull, 800 (est.); Mourning Dove, 15; Barn Owl, 9; Screech Owl, 2; Horned Owl, 1; Burrowing Owl, 6; Short-eared Owl, 2; Anna's Hummingbird, 2; Belted Kingfisher, 2; Red-shafted Flicker, 321; Acorn Woodpecker, 73; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 18; Nuttall's Woodpecker, 18; Black Phoebe, 39; Say's Phoebe, 2; Horned Lark, 450; Scrub Jay, 122; **Yellow-billed Magpie,** 1500 (est.; large numbers due to discovery of 2 communal roosts); Am. Crow, 174; Plain Titmouse, 70; Common Bushtit, 142; White-breasted Nuthatch, 13; Brown Creeper, 2; Wren-tit, 5; House Wren, 3; Winter Wren, 1; Bewick's Wren, 14; Long-billed Marsh Wren, 6; Mockingbird, 30; Am. Robin, 80; Varied Thrush, 1; Hermit Thrush, 5; Western Bluebird, 43; Mountain Bluebird, 2; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 180; Ruby-crowned Kinglet, 180; Water Pipit, 5400 (est.); Cedar Waxwing, 172; Loggerhead Shrike, 34; Hutton's Vireo, 1; Orange-crowned Warbler, 9; Myrtle Warbler, 1; Audubon's Warbler, 1900 (est.); **Black-throated Gray Warbler,** 1 (prolonged observation at close range—W.K.K.); House Sparrow, 1800 (est.); Western Meadowlark, 2900 (est.); Red-winged Blackbird, 3200 (est.); Tricolored Blackbird, 4; Brewer's Blackbird, 11,000 (est.); Brown-headed Cowbird, 2; Purple Finch, 75; House Finch, 1100 (est.); Pine Siskin, 33; Am. Goldfinch, 1500 (est.); Lesser Goldfinch, 1700 (est.); Lawrence's Goldfinch, 2; Spotted Towhee, 54; Brown Towhee, 31; Savannah Sparrow, 1700 (est.); Grasshopper Sparrow, 1; Vesper Sparrow, 50; Lark Sparrow, 192; Rufous-crowned Sparrow, 10; Oregon Junco, 660; Chipping Sparrow, 5; White-crowned Sparrow, 4000; Golden-crowned Sparrow, 150; Fox Sparrow, 7; Song Sparrow, 19. **Total,** 121 species (2 additional subspecies); about 93,975 individuals. (On Dec. 28, a single adult Slate-colored Junco observed by Mrs. Muriel Kaminsky in her rear yard.) On Jan. 10, 1954, the first observation of the Common Starling ever recorded in Sacramento County was reported by Dr. Fred Evenden of the California Junior Museum. This group of over 1000 birds was again observed on January 12 by Mr. and Mrs. E. R. Pickett and Mr. and Mrs. A. J. Argante, when the flock was still to be found at the same location.—Celeste Kirsher, William Kirsher, Muriel Kaminsky, Beverley Kaminsky, Genevieve Trousdale, A. J. Argante, Willie Argante, Tod Argante, Jonda Argante, Cora Baker, Elma White, Charlotte Flemming, Alfreda Meuser, Eugene Christian, Dennis Price, Jim Doull, Alice Williams, John R. Forbes, Rodney Reynolds, Helen Grant, Lucy Jane Labhard, Nancy Labhard, Genevieve Rasmussen, Sarah Farr, George Dobbins, Lola Erickson, Wordena Swisher, Robert Cunningham, Robert Cunningham, Jr., Hubert Arnold, Bruce Swinehart, Jeanne Swinehart, Betty Kimball, Helen Kimball, Helen Cohn, Ida Belle Craig, Nick Doudnick, Ronald Cottrell, Jim Denny, Bob Herren, Jim Wanzer, Effie Yeaw, Edward Yeaw, Ethel Barker, Mr. and Mrs. Jack Dennison, Georgia Borchart, Alice Brownfield, Carolyn Brownfield, Billy Cole, Waldemar Doyal, Billy Rath, E. R. Pickett, Marie Pickett, Wayne O'Neil, Barbara O'Neil, Mr. and Mrs. F. C. Craig, Allan Craig.

516. Salinas (Monterey Co.), Calif. (same area as 1945 and subsequent years).—Dec. 30; 7 a.m. to 3 p.m. Clear, good visibility; temp. 39° to 68°; wind 10 m.p.h. in a.m. slowing to about 2 in p.m. Six observers in 4 parties. Total party-hours, 25 (18½ on foot, 6½ by car); total party-miles, 57½ (3½ on foot, 54 by car). Common Loon, 15; Arctic Loon, 16; Red-throated Loon, 14; Red-necked Grebe, 2; Horned Grebe, 8; Eared Grebe, 33; Western Grebe, 447; Pied-billed Grebe, 12; Fulmar, 25; Brown Pelican, 16; Double-crested Cormorant, 5; Brandt's Cormorant, 5; Pelagic Cormorant, 2; Great Blue Heron, 19; Am. Egret, 9; Snowy Egret, 8; Black-crowned Night Heron, 203; Whistling Swan, 8; Black Brant, 1; Gadwall, 2; Am. Widgeon, 8; Pintail, 1; Green-winged Teal, 30; Cinnamon Teal, 6; Shoveller, 10; Redhead, 5; Ring-necked Duck, 2; Canvas-back, 3; Greater Scaup, 4; Lesser Scaup, 26; Am. Golden-eye, 2; Buffle-head, 8; White-winged Scoter, 4; Surf Scoter, 18; Ruddy Duck, 161; Red-breasted Merganser, 13; Turkey Vulture, 2; White-tailed Kite, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 3; Prairie Falcon, 2; Sparrow Hawk, 16; California Quail, 6; Ring-necked Pheasant, 2; Clapper Rail, 1; Virginia Rail, 2; Florida Gallinule, 2; Am. Coot, 957; Snowy Plover, 4; Ringed Plover, 7; Killdeer, 138; Black-bellied Plover, 3; Wilson's Snipe, 3; Long-billed Curlew, 18; Hudsonian Curlew, 2; Willet, 83; Greater Yellow-legs, 3; Least Sandpiper, 170; Red-backed Sandpiper, 103; Dowitcher, 38; Western Sandpiper, 153; Marbled Godwit, 119; Sanderling, 236; Am. Avocet, 102; Black-necked Stilt, 1; Glaucous-winged Gull, 6; Western Gull, 29; Herring Gull, 24; California Gull, 23; Ring-billed Gull, 25; Short-billed Gull, 735; Bonaparte's Gull, 33; Heermann's Gull, 2; Forster's Tern, 16; Common Tern, 2; Mourning Dove, 42; Road-runner, 1; Burrowing Owl, 4; Short-eared Owl, 3; Anna's Hummingbird, 1; Belted Kingfisher, 2; Red-shafted Flicker, 13; Acorn Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 2; Black Phoebe, 9; Say's Phoebe, 6; Horned Lark, 22; Tree Swallow, 19; Scrub Jay, 5; Yellow-billed Magpie, 12; Am. Crow, 75; Chestnut-backed Chickadee, 5; Plain Titmouse, 3; Common Bushtit, 33; Wren-tit, 3; House Wren, 3; Bewick's Wren, 2; Long-billed Marsh Wren, 4; Mockingbird, 1; California Thrasher, 1; Am. Robin, 4; Hermit Thrush, 8; Western Bluebird, 5; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 12; Water Pipit, 28; Cedar Waxwing, 32; Loggerhead Shrike, 17; Hutton's Vireo, 5; Orange-crowned Warbler, 2; Myrtle Warbler, 13; Audubon's Warbler, 46; Common Yellow-throat, 3; House Sparrow, 60; Western Meadowlark, 123; Red-winged Blackbird, 510; Tricolored Blackbird, 50; Brewer's Blackbird, 695; Brown-headed Cowbird, 7; Purple Finch, 11; House Finch, 188; Am. Goldfinch, 12; Lesser Goldfinch, 62; Spotted Towhee, 4; Brown Towhee, 11; Savannah Sparrow, 25; Lark Sparrow, 20; Oregon Junco, 17; Chipping Sparrow, 1; White-crowned Sparrow, 319; Golden-crowned Sparrow, 90; Fox Sparrow, 4; Lincoln's Sparrow, 3; Song Spar-

row, 5. **Total,** 140 species; about 6916 individuals. —Charles Anderson (compiler), Viola Anderson, Louise Hatton, Francis Johnson, Margaret Stanton, John Stanton.

517. San Bernardino, Calif. (7½-mile radius centering at Fifth Street Lake, and including Warm Creek Wildlife Refuge, Reche Canyon, old Swing Ranch, outskirts of Loma Linda, foothills of Del Rosa and San Bernardino; pasture and streamside willows 10%, pond and cattail marshes 40%, deciduous woods 15%, chaparral 25%, town suburbs and roadsides 10%).—Dec. 29; 9 a.m. to 5 p.m. Mild, dry, sunny; temp. 52° to 72°; no wind; very dry except in parks where sprinklers were going and birds congregated; shorebirds found at Fifth Street Lake for first time—low water. Twenty-four observers in 5 parties. Total party-hours, 26 (9 on foot, 17 by car); total party-miles, 76 (15 on foot, 61 by car). Pied-billed Grebe, 1; Great Blue Heron, 4; Am. Egret, 1; Snowy Egret, 1; Green Heron, 1; Mallard, 10; Am. Widgeon, 16; Shoveller, 6; Canvas-back, 32; Ruddy Duck, 8; Cooper's Hawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 10; California Quail, 34; Ring-necked Pheasant, 1; Am. Coot, 300; Killdeer, 35; Wilson's Snipe, 9; Spotted Sandpiper, 2; Least Sandpiper, 29; Ring-billed Gull, 2; Mourning Dove, 10; Spotted Dove, 28; Road-runner, 2; Barn Owl, 1; Anna's Hummingbird, 1; Belted Kingfisher, 1; Red-shafted Flicker, 12; Yellow-bellied Sapsucker, 2; Nuttall's Woodpecker, 1; Black Phoebe, 13; Say's Phoebe, 8; Scrub Jay, 32; Mountain Chickadee, 10; Plain Titmouse, 2; Common Bushtit, 51; Brown Creeper, 1; Wren-tit, 6; Bewick's Wren, 3; Long-billed Marsh Wren, 1; Mockingbird, 26; California Thrasher, 17; Sage Thrasher, 3; Am. Robin, 45; Hermit Thrush, 13; Western Bluebird, 68; Blue-gray Gnatcatcher, 6; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 20; Water Pipit, 3; Cedar Waxwing, 475; Loggerhead Shrike, 6; Orange-crowned Warbler, 1; Audubon's Warbler, 89; Common Yellow-throat, 2; House Sparrow, 126; Western Meadowlark, 15; Red-winged Blackbird, 5; Brewer's Blackbird, 350; Brown-headed Cowbird, 2; Purple Finch, 48; House Finch, 256; Am. Goldfinch, 5; Lesser Goldfinch, 20; Lawrence's Goldfinch, 4; Spotted Towhee, 19; Brown Towhee, 43; Lark Sparrow, 2; Oregon Junco, 5; Chipping Sparrow, 3; White-crowned Sparrow, 141; Fox Sparrow, 2; Song Sparrow, 17. **Total,** 73 species; about 2530 individuals.—Mrs. Josiphine Vaughn, Ellen Kidd, Mildred Smith, Mrs. Marguerite Smelser, Obed Smelser, Leora Walker, Paul Starbuck, Howard York, Mary James, Mrs. Ann Wissler, Mrs. Patricia Wade, Mrs. Ethel West (compiler), Mrs. Patricia Auvil, Mrs. Mildred Hamilton, Mrs. R. A. Mortenson, Mrs. Elora Ford, Mrs. Bell Mays; Mary Lou Ford, Bobby Ford, Dickie Hamilton, Carol Ann Auvil, Raymond Auvil, Joella Haskell, Patty Cady (children) (San Bernardino Valley Audubon Society).

518. San Diego, Calif. (7½-mile radius centering on southeast corner of Balboa Park, and including Mission and San Diego bays, Balboa and Presidio parks, Mission Valley to Lake Murray, city suburbs east to La Mesa; tide flats 25%, city parks 25%, salt-water bays 15%, dry, brushy canyons 10%, fresh-water reservoirs 5%, salt marsh 5%, farmland 5%, suburbs 5%, ocean, beaches, and rocky shores 5%).—Dec. 26; 4:30 a.m. to 5 p.m. Clear; temp. 39° to 62°; wind NW, up to 12 m.p.h.; drought and mild temperatures prevailed all season. Twenty-two observers in 7 parties. Total party-hours, 60 (21 on foot, 39 by car); total party-miles, 314 (30 on foot, 284 by car). Common Loon, 1; Arctic Loon, 9; Horned Grebe, 61; Eared Grebe, 88; Western Grebe, 237; Pied-billed Grebe, 56; Brown Pelican, 12; Double-crested Cormorant, 170; Great Blue Heron, 5; Am. Egret, 93; Snowy Egret, 93; Green Heron, 3; Black-crowned Night Heron, 46; Black Brant, 332; Snow Goose, 4; Mallard, 5; Am. Widgeon, 608; Pintail, 2199 (2100 est., 99); Green-winged Teal, 155; Shoveller, 291; Redhead, 4; Ring-necked Duck, 2; Canvas-back, 6; Lesser Scaup, 8596 (8500 est., 96); Buffle-head, 78; **Old-squaw,** 1 (♀, seen at close range in San Diego Bay—E.P.B., T.H.B., M.V.W.); White-winged Scoter, 1; Surf Scoter, 5745 (5600 est., 145); Ruddy Duck, 124; **Hooded Merganser,** 1 (♂, seen clearly—P.E.P., H.M.P., J.L.); Red-breasted Merganser, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 30; California Quail, 73; Clapper Rail, 4; Am. Coot, 288; Snowy Plover, 35; Ringed Plover, 32; Killdeer, 143; Black-bellied Plover, 219; Wilson's Snipe, 3; Long-billed Curlew, 11; Hudsonian Curlew, 15; Spotted Sandpiper, 11; Willet, 253; Greater Yellow-legs, 4; **Lesser Yellow-legs,** 8 (observed at 20 ft.—C.H.C.; reported by 2 parties—P.E.P., C.H.C.); Red Knot, 1; Least Sandpiper, 154; Red-backed Sandpiper, 259; Dowitcher, 413; Western Sandpiper, 824; Marbled Godwit, 1154; Sanderling, 244; Am. Avocet, 59; **Red Phalarope,** 1; **Northern Phalarope,** 16 (both species of phalarope seen at close range through 7x glasses—P.E.P., H.M.P., J.L.); Glaucous-winged Gull, 28; Western Gull, 91; Herring Gull, 125; California Gull, 184; Ring-billed Gull, 1040; Short-billed Gull, 1; Bonaparte's Gull, 743; Heermann's Gull, 5; unidentified gulls, 275; Forster's Tern, 66; Royal Tern, 4; **Caspian Tern,** 3 (P.E.P., E.P.B., *et al.*); Mourning Dove, 298; Road-runner, 3; Barn Owl, 1; Horned Owl, 2; **nighthawk** (sp.), 2 (observed at 30 ft. flying low over a meadow; white wing-patches noted—C.H.C.); White-throated Swift, 1; Anna's Hummingbird, 17; Belted Kingfisher, 4; Red-shafted Flicker, 4; Black Phoebe, 17; Say's Phoebe, 4; Vermilion Flycatcher, 1 (♂—E.C.T.); Horned Lark, 30; Scrub Jay, 11; Common Bushtit, 105; Wren-tit, 20; Bewick's Wren, 3; Long-billed Marsh Wren, 1; Mockingbird, 75; California Thrasher, 7; Am. Robin, 1; Hermit Thrush, 22; Western Bluebird, 14; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 6; Water Pipit, 45; Cedar Waxwing, 4; Loggerhead Shrike, 17; Hutton's Vireo, 1; Orange-crowned Warbler, 2; Audubon's Warbler, 293; Common Yellow-throat, 4; **Black-capped Warbler,** 1 (observed at about 10 ft.; black cap clearly seen—M.H., I.H., A.C., B.R., Mrs. B.R.); House Sparrow, 76; Western Meadow-

lark, 102; Red-winged Blackbird, 402; Tricolored Blackbird, 12; Brewer's Blackbird, 417; Purple Finch, 10; House Finch, 410; Pine Siskin, 3; Lesser Goldfinch, 5; Spotted Towhee, 4; Brown Towhee, 78; Savannah Sparrow, 24; Grasshopper Sparrow, 1; Rufous-crowned Sparrow, 4; Oregon Junco, 3; White-crowned Sparrow, 296; Golden-crowned Sparrow, 1; Lincoln's Sparrow, 1; Song Sparrow, 12. **Total,** 124 species; about 28,751 individuals. (Seen in area Dec. 28: Black Turnstone, 14; Ruddy Turnstone, 3; Cooper's Hawk, 1; Jan. 1: Golden Eagle, 1; Jan. 2: Am. Bittern, 1; Yellow-bellied Sapsucker, 1.)—Ethel P. Brown, T. H. Brown, C. H. Channing, Albert Croney, J. E. Crouch, J. P. Crouch, Isla Hanson, Maureen Heraty, Paul Johnson, Juanita Latter, Paul E. Popejoy, Harriett M. Popejoy, Jane C. Richey, Mr. and Mrs. B. Robinson, Arthur Roy, Jr., Mr. and Mrs. E. C. Trowbridge, Margaret Van Wert, Phillip Washburn, Mr. and Mrs. C. A. Yackels (San Diego Audubon Society, San Diego State College).

519. San Francisco, Calif. (Marina, Lincoln Park, Twin Peaks, Sutro Forest, Land's End, Golden Gate Park, Stern Grove, Treasure Island, Lake Merced, San Francisco bayshore, Pacific Ocean beach, Seal Rocks, Fleishhacker area, Marin shoreline, McLaren Park, and 22 smaller city parks; park 35%, bay 25%, ocean 9%, fresh-water lakes 6%, open fields 4%, other 21%).—Dec. 27; 8 a.m. to 4:30 p.m. Sunny and clear; temp. 57° to 71°; wind NW to N, 5-23 m.p.h. Sixty-four observers in 14 parties. Total party-hours, 88½ (55 on foot, 33½ by car); total party-miles, 188 (53 on foot, 135 by car). Common Loon, 2; Arctic Loon, 9; Red-throated Loon, 22; Red-necked Grebe, 2; Horned Grebe, 3; Eared Grebe, 131; Western Grebe, 239; Pied-billed Grebe, 35; Fulmar, 8; Brown Pelican, 135; Double-crested Cormorant, 1954; Brandt's Cormorant, 2159; Great Blue Heron, 3; Am. Egret, 2; Black-crowned Night Heron, 10; Canada Goose (Lesser), 1; White-fronted Goose, 1; Mallard, 1020; Gadwall, 2; European Widgeon, 1 (H.C.A., *et al.*); Am. Widgeon, 449; Pintail, 139; Shoveller, 47; Ring-necked Duck, 63; Canvas-back, 154; Greater Scaup, 43; Lesser Scaup, 90; Am. Golden-eye, 3; Buffle-head, 1; White-winged Scoter, 65; Surf Scoter, 405; Ruddy Duck, 330; Hooded Merganser, 1 (H.C.A., *et al.*); Red-breasted Merganser, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 9; Sparrow Hawk, 30; California Quail, 145; Sora, 1; Am. Coot, 997; Snowy Plover, 45; Killdeer, 111; Black-bellied Plover, 20; Surf-bird, 23; Black Turnstone, 25; Wilson's Snipe, 5; Long-billed Curlew, 1; **Wandering Tattler,** 2 (A.S. IV, B.K.H., L.H., M.H., W.L., E.A.M., L.A.S., F.A.S., D.D.S., M.B., L.W.B.); Willet, 15; Red-backed Sandpiper, 25; Western Sandpiper, 2; Marbled Godwit, 1; Sanderling, 553; Glaucous Gull, 2 (H.W., G.B.) [no further details—Ed.]; Glaucous-winged Gull, 2167; Western Gull, 8471; Herring Gull, 274; California Gull, 12,091; Ring-billed Gull, 397; Short-billed Gull, 935; Bonaparte's Gull, 43; Common Murre, 29; Rhinoceros Auklet, 1; Mourning Dove, 3; Anna's Hummingbird, 74; **Allen's Hummingbird,** 2 (♂ and ♀, also seen on Dec. 20; so unusual that 5 different persons have been satisfied with observation; also checked by staff of Acad. of Sciences ½ mile away—H.M.); Belted Kingfisher, 1; Red-shafted Flicker, 114; Yellow-bellied Sapsucker (Red-breasted), 4; Downy Woodpecker, 6; Black Phoebe, 31; Horned Lark, 17; Scrub Jay, 12; Common Raven, 6; Am. Crow, 1; Chestnut-backed Chickadee, 42; Plain Titmouse, 2; Common Bushtit, 88; Red-breasted Nuthatch, 14; Brown Creeper, 3; Wrentit, 2; Winter Wren, 5; Bewick's Wren, 3; Long-billed Marsh Wren, 2; Am. Robin, 118; Varied Thrush, 12; Hermit Thrush, 61; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 69; Water Pipit, 32; Cedar Waxwing, 1; Loggerhead Shrike, 4; Hutton's Vireo, 8; Orange-crowned Warbler, 2; Myrtle Warbler, 1; Audubon's Warbler, 218; Townsend's Warbler, 3; Common Yellow-throat, 6; House Sparrow, 321; Western Meadowlark, 91; Brewer's Blackbird, 787; Purple Finch, 8; House Finch, 582; Pine Siskin, 13; Am. Goldfinch, 1; Lesser Goldfinch, 2; Spotted Towhee, 17; Oregon Junco, 383; White-crowned Sparrow, 1192; Golden-crowned Sparrow, 244; **White-throated Sparrow,** 1 (under observation all winter—F.P.); Fox Sparrow, 203; Song Sparrow, 152. **Total,** 114 species; 38,932 individuals.—B. Adamson, H. C. Adamson, L. W. Bartow, M. Bartow, G. Ball, A. Boles, S. Bozant, C. L. Carson, R. R. Chase, A. L. Curl, W. Currie, J. Denham, H. Desort, M. Fauhl, R. Fauhl, J. Fitzpatrick, L. Foree, E. Foree, C. H. Fox, B. K. Harris, C. A. Harwell, J. Hedgpeth, E. Hevel, F. Higgins, L. Hood, M. Hood, J. W. Kelly, L. R. Leinbach, M. Leinbach, E. L. Levinger, A. Long, W. Lutz, B. Mack, E. M. Matheson, E. A. Mayers, H. Meinhardt, A. H. Myer (compiler), A. Pierson, H. G. Peterson, F. Plymell, W. Pope, R. H. Pray, S. Pulver, E. E. Richardson, A. Rinehart, J. T. Ryan, K. Schulz, T. Schulz, F. A. Scott, D. D. Scott, L. P. Smith, M. Smith, A. Sprunt IV, L. A. Stephens, M. Sterne, L. Stallcup, D. Toll, P. Turner, E. Van Scyoc, M. Van Scyoc, P. von Hafften, H. Walsh, P. A. Veitch, M. H. Young (Golden Gate Audubon Society).

520. San Jose, Calif. (7½-mile radius centering at Capitol Ave. and Mabury Rd., including Alviso, Calaveras Reservoir, Hall's Valley, and Santa Clara; salt marshes and mudflats 10%, fresh-water lakes 10%, oak woodland 30%, orchard 30%, city and suburbs 10%, pasture 10%).—Jan. 3; 8 a.m. to 4 p.m. Showers to clear; temp. 40° to 58°; wind very light, 1-2 m.p.h. Thirty-one observers in 5 parties. Total party-hours, 40 (20 on foot, 20 by car); total party-miles, 166 (42 on foot, 124 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Double-crested Cormorant, 21; Great Blue Heron, 6; Black-crowned Night Heron, 2; Canada Goose, 288; Mallard, 12; Pintail, 9; Green-winged Teal, 11; Shoveller, 12; Wood Duck, 8; Redhead, 14; Ring-necked Duck, 23; Canvas-back, 11; Buffle-head, 1; Ruddy Duck, 497; Am. Merganser, 2; Turkey Vulture, 4; White-tailed Kite, 1; Sharp-shinned Hawk, 18; Cooper's Hawk, 2; Red-tailed Hawk, 32; Golden Eagle, 2; Sparrow Hawk, 81; California Quail, 168;

Ring-necked Pheasant, 11; Clapper Rail, 25; Sora, 1; Am. Coot, 2249; Killdeer, 280; Black-bellied Plover, 125; Wilson's Snipe, 233; Long-billed Curlew, 13; Hudsonian Curlew, 33; Spotted Sandpiper, 1; Willet, 544; Greater Yellow-legs, 12; Least Sandpiper, 101; Red-backed Sandpiper, 63; Dowitcher, 174; Western Sandpiper, 51; Marbled Godwit, 16; Am. Avocet, 114; Glaucous-winged Gull, 2; Western Gull, 4; Herring Gull, 130; California Gull, 77; Ring-billed Gull, 248; Bonaparte's Gull, 125; unidentified gulls, 2000±300; Band-tailed Pigeon, 102; Mourning Dove, 6; Barn Owl, 1; Horned Owl, 1; Burrowing Owl, 7; White-throated Swift, 5; Anna's Hummingbird, 13; Belted Kingfisher, 2; Red-shafted Flicker, 112; Acorn Woodpecker, 53; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 9; Nuttall's Woodpecker, 10; Black Phoebe, 40; Say's Phoebe, 1; Horned Lark, 91; Steller's Jay, 38; Scrub Jay, 121; Yellow-billed Magpie, 53; Am. Crow, 29; Chestnut-backed Chickadee, 79; Plain Titmouse, 39; Common Bushtit, 368; White-breasted Nuthatch, 4; Brown Creeper, 4; Wren-tit, 16; Am. Dipper, 1; House Wren, 1; Winter Wren, 9; Bewick's Wren, 19; Mockingbird, 81; California Thrasher, 4; Am. Robin, 249; Varied Thrush, 14; Hermit Thrush, 58; Western Bluebird, 51; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 111; Water Pipit, 100; Cedar Waxwing, 380; Loggerhead Shrike, 36; Hutton's Vireo, 7; Orange-crowned Warbler, 2; Myrtle Warbler, 12; Audubon's Warbler, 269; Townsend's Warbler, 31; House Sparrow, 470; Western Meadowlark, 603; Red-winged Blackbird, 34; Brewer's Blackbird, 1739; Purple Finch, 6; House Finch, 1428; Am. Goldfinch, 150; Lesser Goldfinch, 713; Spotted Towhee, 51; Brown Towhee, 193; Savannah Sparrow, 80; Lark Sparrow, 103; Rufous-crowned Sparrow, 4; Oregon Junco, 559; White-crowned Sparrow, 2108; Golden-crowned Sparrow, 525; Fox Sparrow, 21; Lincoln's Sparrow, 1; Song Sparrow, 58. **Total,** 115 species; about 19,359 individuals.—Pat Barr, C. L. Sleeper, Al Wool, James G. Petersen, Sheila Dodd, Charles Zwaal, Fanny Zwaal, Mrs. A. Snow, Elsie Hoeck, Mr. and Mrs. Herbert Wittgenstein, Esther Ollis, Clyde Prusman, Agnes Prusman, Grace Addison, Jeanie Neiri, Helen Donaghey, Patrick Donaghey, Peter Botsford, Tom Angell, Tom Funkhouser, Jerry Buzzell, Jimmy Hodgen, Mrs. Grace Brubaker, Dr. L. R. Mewaldt, Frank Cantu, Anne Peterson, Mrs. Etta Waddington Smith, Mrs. Emma Miller, Bernice E. Bottini, G. R. Bottini (compiler) (Santa Clara Valley Audubon Society).

521. Suisun Waterfowl Refuge, Suisun, Calif. (7½-mile radius with refuge headquarters as center; levee roads in refuge, hard-surfaced road to Suisun, west 4 miles, south 1 mile and back; tule and cattail marsh 20%, pastureland 44%, cultivated fields 13%, oak woodland 9%, cultivated woodland 7%, wooded creek bottom 7%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Clear, high cloudiness in p.m.; temp. 28° to 58°; wind NW, 0-10 m.p.h. Three observers in 1 party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 55 (9 on foot, 46 by car). Horned Grebe, 1; Eared Grebe, 2; Pied-billed Grebe, 21; White Pelican, 27; Double-crested Cormorant, 1; Great Blue Heron, 6; Am. Egret, 7; Snowy Egret, 7; Black-crowned Night Heron, 4; Am. Bittern, 2; Whistling Swan, 331; Canada Goose, 222 (including Lesser Canada, 1; Cackling, 1); White-fronted Goose, 1573; Snow Goose, 2041; Mallard, 464; Gadwall, 13; Am. Widgeon, 986; Pintail, 97,557; Green-winged Teal, 215; Cinnamon Teal, 54; Shoveller, 1562; Ring-necked Duck, 624; Canvasback, 109; Lesser Scaup, 2; Buffle-head, 1; Ruddy Duck, 129; Hooded Merganser, 2; White-tailed Kite, 5; Sharp-shinned Hawk, 2; Red-tailed Hawk, 6; Marsh Hawk, 60; Prairie Falcon, 1; Sparrow Hawk, 15; California Quail, 9; Ring-necked Pheasant, 8; Virginia Rail, 1 (caught in trap previous night; dead when found); Sora, 1; Florida Gallinule, 11; Am. Coot, 606; Killdeer, 35; Wilson's Snipe, 3; Long-billed Curlew, 7; Greater Yellow-legs, 1; Dowitcher, 7; Am. Avocet, 38; Glaucous-winged Gull, 4; Herring Gull, 3; California Gull, 200; Short-billed Gull, 2; Mourning Dove, 2; Barn Owl, 1; Short-eared Owl, 7; Anna's Hummingbird, 1; Belted Kingfisher, 2; Red-shafted Flicker, 19; Downy Woodpecker, 4; Black Phoebe, 7; Say's Phoebe, 1; Tree Swallow, 12; Scrub Jay, 9; Plain Titmouse, 6; Common Bushtit, 96; Brown Creeper, 1; Wren-tit, 6; Bewick's Wren, 6; Long-billed Marsh Wren, 14; Rock Wren, 3; Mockingbird, 1; Am. Robin, 36; Hermit Thrush, 2; Western Bluebird, 19; Ruby-crowned Kinglet, 29; Water Pipit, 92; Loggerhead Shrike, 13; Common Starling, 4; Hutton's Vireo, 1; Audubon's Warbler, 86; Common Yellow-throat, 1; Western Meadowlark, 151; Red-winged Blackbird, 543; Brewer's Blackbird, 2570; Purple Finch, 3; House Finch, 305; Pine Siskin, 21; Am. Goldfinch, 72; Lesser Goldfinch, 130; Spotted Towhee, 5; Brown Towhee, 20; Savannah Sparrow, 37; Rufous-crowned Sparrow, 4; Oregon Junco, 58; White-crowned Sparrow, 695; Golden-crowned Sparrow, 28; Fox Sparrow, 15; Song Sparrow, 86. **Total,** 95 species (2 additional subspecies); 112,212 individuals.—Bruce K. Harris, John K. Meritt, Alexander Sprunt IV (compiler).

522. Yosemite National Park, Calif. (15-mile diameter in canyon of Merced River and including Yosemite Valley, Wawona and Glacier Point roads to Badger Pass; 2000-7600 ft.; lakeshore 1%, swampland 2%, semi-open hillsides 21%, meadowlands 12%, riverbanks 30%, coniferous forests 34%).—Dec. 27; 6:30 a.m. to 4:30 p.m. Clear; temp. 28° to 69°; wind NE, 0-45 m.p.h.; ground open except for small amounts of snow in shaded areas at higher elevations; water frozen at higher elevations. Twenty-two observers in 5 parties. Total party-hours, 50 (42 on foot, 8 by car); total party-miles, 98 (28 on foot, 70 by car). Great Blue Heron, 1; Am. Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 9; Golden Eagle, 2; Peregrine Falcon, 2; Sparrow Hawk, 3; Band-tailed Pigeon, 332+; Pygmy Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 10; Acorn Woodpecker, 32; Downy Woodpecker, 2; Nuttall's Woodpecker, 1; White-headed Woodpecker, 4; Black

Phoebe, 9; Say's Phoebe, 1; Steller's Jay, 101; Scrub Jay, 42; Mountain Chickadee, 296+; Plain Titmouse, 31; Common Bushtit, 46; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 8; Brown Creeper, 18; Wren-tit, 9; **Am. Dipper,** 31; Bewick's Wren, 8; Cañon Wren, 17; California Thrasher, 2; Varied Thrush, 2; Hermit Thrush, 12; Townsend's Solitaire, 1; Golden-crowned Kinglet, 483+; Ruby-crowned Kinglet, 26; House Sparrow, 6; Red-winged Blackbird, 1; Brewer's Blackbird, 13; Purple Finch, 100+; House Finch, 100+; Pine Siskin, 1 (N.H.); Lesser Goldfinch, 40; Spotted Towhee, 72; Brown Towhee, 200+; Lark Sparrow, 300+; Slate-colored Junco, 1; Oregon Junco, 503+; Golden-crowned Sparrow, 84; Fox Sparrow, 2; Song Sparrow, 2. **Total,** 50 species; about 2973 individuals.—Mignon Augsbury, Lydia Fatzinger, Erma Fitzpatrick, Lillian Fitzpatrick, Michael Fitzpatrick, W. J. Fitzpatrick (compiler), Norman Herkenham, Douglas Hubbard, Sr., Douglas Hubbard, Jr., Vergena Koller, Bona May McHenry, Robert McIntyre, Sr., Robert McIntyre, Jr., Clementine McKeon, Lloyd D. Moore, Dana Morgenson, George Murphy, Marguerite Radigan, Mary Lou Sturm, Virginia Ann Sturm, Mildred Taylor, Mary Curry Tresidder.

Species Numbers in the Fifty-fourth Christmas Bird Count

by Sarah Osgood Brooks

The total number of species reported from the United States, Canada, and Alaska (excluding a few rarities not substantiated by sufficient details) was 469. Recent totals in previous years were 415 in 1947, 422 in 1948, 449 in 1949, 450 in 1950 (the previous all-time high), 433 in 1951, and 449 in 1952.

Four species appear on this year's Count that are probably additions to the continental Christmas Bird Count: Blue-faced Booby, Cattle Egret, American Flamingo, and Painted Redstart.

The House Sparrow appeared on 91% of the 521 counts, the Downy Woodpecker on 87%. While the Christmas Bird Count is by no means an adequately randomized sampling of our continental birdlife, these percentages do portray something of the widespread distribution of these two species. The following are the first 46 most widely distributed species according to the number of counts on which they were reported: House Sparrow, 477; Downy Woodpecker, 455; Am. Goldfinch, 438; Song Sparrow, 435; Common Starling, 429; Am. Crow, 423; Slate-colored Junco, 413; Hairy Woodpecker, 397; Blue Jay, 395; Sparrow Hawk, 385; Golden-crowned Kinglet, 365; Red-tailed Hawk, 362; White-breasted Nuthatch, 361; Am. Robin, 355; Mallard, 352; Cardinal, 351; Belted Kingfisher, 337; Brown Creeper, 334; Am. Tree Sparrow, 333; Yellow-shafted Flicker, 318; Marsh Hawk, 304; Black-capped Chickadee, 290; Tufted Titmouse, 288; Red-winged Blackbird, 276; Killdeer, 264; White-throated Sparrow, 257; Carolina Wren, 253; Horned Lark, 250; Black Duck, 248; Eastern Meadowlark, 242; Herring Gull, 240; Purple Finch, 240; Ring-necked Pheasant, 234; Swamp Sparrow, 233; Mourning Dove, 232; Field Sparrow, 232; Winter Wren, 226; Myrtle Warbler, 225; Mockingbird, 224; Red-bellied Woodpecker, 224; Eastern Bluebird, 222; Pied-billed Grebe, 222; Cooper's Hawk, 219; Great Blue Heron, 219; Cedar Waxwing, 214; and Ring-billed Gull, 212. On the Atlantic Seaboard, the Downy Woodpecker, Blue Jay, and American Goldfinch led in that order.

Cumulative totals for the various individual species on the 521 counts yielded 17 species that aggregated over 100,000 individuals. These appeared in the following order (the highest count for any one locality being shown in brackets):

Red-winged Blackbird	1,350,667	(540,000)
Common Starling	1,143,438	(200,000)
Mallard	869,433	(103,750)
Pintail	812,988	(525,782)
Redhead	562,720	(555,157)
Purple Grackle	549,913	(200,011)
Am. Crow	233,152	(35,000)
Herring Gull	218,350	(25,000)
House Sparrow	208,042	(21,356)
Greater Scaup	202,691	(57,529)
Canada Goose	187,855	(46,313)
Brown-headed Cowbird	177,464	(100,150)
Am. Brant	175,905	(120,000)
Black Duck	175,761	(20,000)
Brewer's Blackbird	110,742	(30,000)
Am. Robin	109,640	(25,250)
Am. Widgeon	108,684	(20,000)

By and large, these cumulative totals reflect ease of counting brought about by the social behavior of birds, success of the observers in reaching known areas of great avian concentrations (waterfowl refuges and communal roosts), their corresponding failure to cover other concentration points, and the irregularity of the Christmas Bird Count in achieving satisfactory estimates of very large aggregations and of widely distributed species.

Only seven states and provinces failed to produce

at least one locality containing a high count for some particular species: Saskatchewan, Nova Scotia, Alabama, Mississippi, Montana, Nebraska, and Nevada. (There was no count this year from 5 provinces.) In recent years, Texas, California, and Florida have had the most entries in the list of high counts. In 1953 California had 100 high species counts, Florida 86, Texas 69, and Arizona 29.

In general, the localities having the highest species counts were the same in 1953 as in 1952. Coot Bay, Florida, led with 25, Los Angeles followed with 24, the Santa Ana Refuge had 22, and Laguna Atascosa produced 20. The order of these last two Texan areas was reversed in 1952. In fairness to the Lone Star State, one might add that 285 species were reported from Texas and only 262 from California. Florida had 215.

The following list gives the total number of individuals for each species on all 521 counts; the accompanying parenthetical expression cites the particular locality which had the highest count for that species, and what the high count was.

Common Loon, 1039 (*N.Y.*, Montauk, L.I., 180); Arctic Loon, 79 (*Calif.*, Monterey, 38); Red-throated Loon, 1088 (*Md.*, Ocean City, 292); Red-necked Grebe, 163 (*N.H.*, coastal, 47); Horned Grebe, 8142 (*Md.*, St. Michaels, 1737); Eared Grebe, 544 (*Calif.*, San Francisco, 131); Least Grebe, 12 (*Tex.*, Laguna Atascosa, 5); Western Grebe, 2602 (*Calif.*, Los Angeles, 1225); Pied-billed Grebe, 3002 (*Fla.*, Tallahassee, 136); Fulmar, 44 (*Calif.*, Salinas, 25); White Pelican, 1691 (*Fla.*, Coot Bay, 672); Brown Pelican, 3910 (*Fla.*, St. Petersburg, 1237); Blue-faced Booby, 1 (*Tex.*, Rockport, 1); Gannet, 687 (*N.C.*, Pea Island, 200); European Cormorant, 1261 (*R.I.*, Newport, 315); Double-crested Cormorant, 10,944 (*Tenn.*, Johnsonville, 3000); Olivaceous Cormorant, 199 (*Tex.*, Laguna Atascosa, 108); Brandt's Cormorant, 2338 (*Calif.*, San Francisco, 2159); Pelagic Cormorant, 43 (*Wash.*, Seattle, 17); Water-turkey, 157 (*Fla.*, Cocoa, 48); Man-o'-war-bird, 41 (*Fla.*, Lower Florida Keys, 24).

Great White Heron, 35 (*Fla.*, Coot Bay, 2); Great Blue Heron, 3670 (*Tex.*, Laguna Atascosa, 305); Am. Egret, 2550 (*Fla.*, Monroe, 400); Snowy Egret, 4430 (*Fla.*, Coot Bay, 3164); Cattle Egret, 1 (*Fla.*, Lower Florida Keys, 1); Reddish Egret, 259 (*Tex.*, Laguna Atascosa, 218); Louisiana Heron, 1197 (*Fla.*, Coot Bay, 526); Little Blue Heron, 1791 (*Fla.*, Miami, 486); Green Heron, 268 (*Fla.*, Coot Bay, 126); Black-crowned Night Heron, 2086 (*Calif.*, Salinas, 203); Yellow-crowned Night Heron, 76 (*Fla.*, St. Petersburg, 29); Am. Bittern, 115 (*Fla.*, Monroe, 18); Least Bittern, 3 (*Fla.*, Cocoa and Panacea, 1; *La.*, Sabine, 1); Wood Ibis, 286 (*Fla.*, Coot Bay, 160); Glossy Ibis, 48 (*Fla.*, Cocoa, 48); White-faced Ibis, 1438 (*La.*, Sabine, 1259); White Ibis, 4296 (*Fla.*, Cocoa, 1600); Roseate Spoonbill, 141 (*Fla.*, Coot Bay, 141); Am. Flamingo, 1 (*Fla.*, Coot Bay, 1).

Mute Swan, 430 (*N.Y.*, Quogue, 165); Whistling Swan, 20,921 (*Md.*, St. Michaels, 10,654); Canada Goose, 187,855 (*Ill.*, Crab Orchard, 46,313); Am. Brant, 175,905 (*N.J.*, Oceanville, 120,000); Black Brant, 333 (*Calif.*, San Diego, 332); White-fronted Goose, 22,236 (*Calif.*, Sacramento, 15,000); Snow Goose, 59,516 (*N.J.*, Bridgeton, 25,000); Blue Goose, 14,649 (*La.*, Sabine, 12,992); Ross's Goose, 2 (*Calif.*, Sacramento, 2); Mallard, 869,433 (*Ky.*, Henderson, 103,750); Black Duck, 175,761 (*N.J.*, Oceanville, 20,000); Mottled Duck, 229 (*Fla.*, Coot Bay, 134); Gadwall, 18,435 (*La.*, Sabine, 5520); European Widgeon, 15 (*N.J.*, Long Branch, 5); Am. Widgeon, 108,684 (*Tex.*, Muleshoe, 20,000; *Va.*, Back Bay, 20,000); Pintail, 812,988 (*Tex.*, Laguna Atascosa, 525,782); Green-winged Teal, 17,603 (*Tex.*, Houston, 2808); Blue-winged Teal, 2054 (*Fla.*, Coot Bay, 1179); Cinnamon Teal, 141 (*Calif.*, Suisun, 54); Shoveller, 14,423 (*Calif.*, Los Angeles, 1574); Wood Duck, 534 (*Fla.*, Panacea, 125); Redhead, 562,720 (*Tex.*, Laguna Atascosa, 555,157); Ring-necked Duck, 8915 (*Fla.*, Tallahassee, 4275); Canvas-back, 48,551 (*N.Y.*, Buffalo, 9281); Greater Scaup, 202,691 (*N.Y.*, Western Long Island, 57,529); Lesser Scaup, 57,015 (*Calif.*, San Diego, 8596); Am. Golden-eye, 32,517 (*Wis.*, Milwaukee, 3015); Barrow's Golden-eye, 7 (*Conn.*, New London, 2; *Mass.*, Cape Ann, 2); Buffle-head, 11,378 (*Idaho*, Nampa, 5012); Old-squaw, 15,929 (*Md.*, St. Michaels, 7032); Harlequin Duck, 6 (*N.Y.*, Montauk, L.I., 3); Common Eider, 601 (*Me.*, York, 310); King Eider, 6 (*N.Y.*, Montauk, L.I., 2); White-winged Scoter, 10,778 (*N.Y.*, Southern Nassau Co., L.I., 1890); Surf Scoter, 16,761 (*Calif.*, San Diego, 5745); Am. Scoter, 4177 (*N.J.*, Cape May, 1638); Ruddy Duck, 39,541 (*Va.*, Brooke, 10,000); Hooded Merganser, 1954 (*Ky.*, Kentucky Woodlands, 300); Am. Merganser, 37,730 (*Ont.*, Hamilton, 6300); Red-breasted Merganser, 10,646 (*Mass.*, Quincy, 1790).

Turkey Vulture, 7376 (*Md.*, Ocean City, 1010); Black Vulture, 2172 (*Tex.*, Laguna Atascosa, 231); White-tailed Kite, 80 (*Calif.*, Lodi, 25); Goshawk, 23 (*Utah*, Salt Lake City, 4); Sharp-shinned Hawk, 334 (*Calif.*, San Jose, 18); Cooper's Hawk, 480 (*N.J.*, Cape May, 21); Red-tailed Hawk, 2508 (*Calif.*, Sacramento, 63); Harlan's Hawk, 18 (*Kans.*, Baldwin, 5); Red-shouldered Hawk, 957 (*Fla.*, Monroe, 61); Broad-winged Hawk, 12 (*Fla.*, Coot Bay and Lower Florida Keys, 3); Swainson's Hawk, 7 (*Calif.*, Los Angeles, 2; *Tex.*, Houston, 2); White-tailed Hawk, 8 (*Tex.*, Laguna Atascosa, 3); Short-tailed Hawk, 1 (*Fla.*, Monroe, 1); Rough-legged Hawk, 532 (*Ont.*, Blenheim, 23; *N.Mex.*, Clayton, 23); Ferruginous Hawk, 28 (*Colo.*, Colorado Springs, 5); Harris's Hawk, 144 (*Tex.*, Laguna Atascosa, 106); Golden Eagle, 223 (*Utah*, Bear River, 82); Bald Eagle, 625 (*Okla.*, Salt Plains, 65); Marsh Hawk, 2619 (*Calif.*, Sacramento, 131); Osprey, 84 (*Fla.*, Coot Bay, 34); Audubon's Caracara, 41 (*Tex.*, Laguna Atascosa, 27); Prairie Falcon, 22 (*Utah*, Salt Lake City, 3); Peregrine Falcon, 65 (*Tex.*, Laguna Atascosa, 8); Pigeon Hawk, 52 (*Fla.*, Miami, 3; *Ky.*, Danville, 3; *Oreg.*, Portland, 3); Sparrow Hawk, 4448 (*Calif.*, Sacramento, 270).

Chachalaca, 14 (*Tex.*, Santa Ana, 12); Blue Grouse, 3 (*Utah*, Salt Lake City, 3); Ruffed Grouse, 597 (*Mass.*, Ware, 36); Rock Ptarmigan, 14 (*Alaska*, College, 14); Greater Prairie Chicken, 125 (*Kans.*, Topeka, 36); Sharp-tailed Grouse, 744 (*N.Dak.*,

Arrowwood, 378); European Partridge, 374 (*Wis.*, Milwaukee, 54); Bob-white, 5088 (*Ohio*, Cincinnati, 279); Scaled Quail, 347 (*N.Mex.*, Clayton, 125); California Quail, 4839 (*Utah*, Salt Lake City, 925); Gambel's Quail, 1418 (*Ariz.*, Tucson, 390); Mountain Quail, 103 (*Calif.*, Hemet, 60); Ring-necked Pheasant, 12,526 (*N.Dak.*, Madison, 1716); Turkey, 160 (*Fla.*, Myakka, 49); Whooping Crane, 7 (*Tex.*, Aransas, 7); Sandhill Crane, 20,160 (*Tex.*, Muleshoe, 12,000); Limpkin, 84 (*Fla.*, Monroe, 71); King Rail, 184 (*La.*, Sabine, 100); Clapper Rail, 346 (*N.C.*, Wilmington, 55); Virginia Rail, 138 (*Md.*, Southern Dorchester Co., 50); Sora, 148 (*Tex.*, Santa Ana, 35); Purple Gallinule, 2 (*Fla.*, Monroe, 2); Florida Gallinule, 224 (*Calif.*, Sacramento, 39); Am. Coot, 104,576 (*Ariz.*, Havasu Lake, 19,391).

Am. Oyster-catcher, 67 (*S.C.*, Charleston, 50); Black Oyster-catcher, 3 (*Calif.*, Monterey, 3); Piping Plover, 85 (*Fla.*, St. Petersburg, 20); Snowy Plover, 218 (*Calif.*, Orange Co., central, 46); Ringed Plover, 470 (*Fla.*, Lower Florida Keys, 71); Wilson's Plover, 75 (*Fla.*, St. Petersburg, 32); Mountain Plover, 42 (*Tex.*, Rockport, 42); Killdeer, 14,212 (*Calif.*, Sacramento, 1350); Am. Golden Plover, 1 (*Fla.*, Panacea, 1); Black-bellied Plover, 3406 (*Calif.*, Oakland, 500); Surf-bird, 29 (*Calif.*, San Francisco, 23); Ruddy Turnstone, 878 (*Fla.*, Daytona Beach, 167); Black Turnstone, 69 (*Calif.*, Los Angeles, 30); Am. Woodcock, 44 (*Ark.*, Camp Chaffee, 8; *N.Y.*, Staten Island, 8); Wilson's Snipe, 3004 (*Calif.*, Orange Co., central, 1000); Long-billed Curlew, 1613 (*Tex.*, Rockport, 920); Hudsonian Curlew, 106 (*Calif.*, San Jose, 33); Spotted Sandpiper, 162 (*Fla.*, Coot Bay, 25); Solitary Sandpiper, 4 (*Tex.*, Aransas, 3); Wandering Tattler, 2 (*Calif.*, San Francisco, 2); Willet, 5829 (*Calif.*, Oakland, 1400); Greater Yellow-legs, 1952 (*Fla.*, Coot Bay, 1216); Lesser Yellow-legs, 2685 (*Fla.*, Coot Bay, 2337); Red Knot, 135 (*Mass.*, Cape Cod, 64); Purple Sandpiper, 1088 (*Mass.*, Cape Ann, 194); Pectoral Sandpiper, 5 (*N.C.*, Wilmington, 2; *Pa.*, Glenolden, 2); Least Sandpiper, 3053 (*Calif.*, Oakland, 530); Red-backed Sandpiper, 35,407 (*N.J.*, Cape May, 8000); Dowitcher, 3889 (*Calif.*, Escondido, 746); Stilt Sandpiper, 2 (*Fla.*, Coot Bay, 2); Semipalmated Sandpiper, 1408 (*Fla.*, Coot Bay, 703); Western Sandpiper, 22,089 (*Calif.*, Oakland, 15,000); Marbled Godwit, 2910 (*Calif.*, San Diego, 1154); Sanderling, 5649 (*Calif.*, Oakland, 850); Am. Avocet, 3761 (*Calif.*, Oakland, 2750); Black-necked Stilt, 1 (*Calif.*, Salinas, 1); Red Phalarope, 9 (*Calif.*, Oceanside, 4); Wilson's Phalarope, 2 (*Tex.*, Aransas, 2); Northern Phalarope, 24 (*Calif.*, San Diego, 16); Parasitic Jaeger, 1 (*Fla.*, Cocoa, 1).

Glaucous Gull, 950 (*Oreg.*, Portland, 912); Iceland Gull, 13 (*Mass.*, Cape Ann, 3); Glaucous-winged Gull, 10,447 (*Wash.*, Seattle, 6741); Great Black-backed Gull, 5551 (*N.Y.*, Southern Nassau Co., L.I., 937); Western Gull, 10,020 (*Calif.*, San Francisco, 8471); Herring Gull, 218,350 (*Mass.*, Quincy, 25,000); California Gull, 15,734 (*Calif.*, San Francisco, 12,091); Ring-billed Gull, 84,455 (*Utah*, Salt Lake City, 7672); Short-billed Gull, 8639 (*Wash.*, Seattle, 3046); Black-headed Gull, 2 (*N.Y.*, Manhattan Island, 2); Laughing Gull, 5619 (*Fla.*, Sarasota, 1060); Bonaparte's Gull, 18,900 (*Ohio*, Toledo, 4550); Little Gull, 1 (*Ind.*, Northern Lake Co., 1); Heermann's Gull, 330 (*Calif.*, Los Angeles, 306); Black-legged Kittiwake, 19 (*Me.*, Pemaquid, 9); Gull-billed Tern, 622 (*Tex.*, Houston, 456); Forster's Tern, 1824 (*Fla.*, Jacksonville, 481); Common Tern, 72 (*Fla.*, Daytona Beach, 26); Least Tern, 9 (*Fla.*, Jacksonville, 6); Royal Tern, 2827 (*Fla.*, Daytona Beach, 584); Cabot's Tern, 21 (*Fla.*, Cocoa, 8); Caspian Tern, 355 (*Fla.*, Coot Bay, 69); Black Skimmer, 4370 (*Fla.*, Jacksonville, 1402); Razor-billed Auk, 4 (*Mass.*, Cape Ann, 2); Common Murre, 32 (*Calif.*, San Francisco, 29); Dovekie, 1 (*N.J.*, Barnegat, 1); Black Guillemot, 4 (*Me.*, Pemaquid, 4); Pigeon Guillemot, 3 (*Wash.*, Seattle, 3); Ancient Murrelet, 4 (*Calif.*, Monterey, 4); Rhinoceros Auklet, 33 (*Wash.*, Seattle, 32); Puffin, 1 (*N.J.*, Cape May, 1).

Band-tailed Pigeon, 712 (*Calif.*, Yosemite, 332); Red-billed Pigeon, 1 (*Tex.*, Santa Ana, 1); Mourning Dove, 22,763 (*Ky.*, Henderson, 987); Spotted Dove, 412 (*Calif.*, Los Angeles, 237); Ringed Turtle Dove, 143 (*Calif.*, Los Angeles, 128); Ground Dove, 545 (*Fla.*, Daytona Beach, 79); Inca Dove, 305 (*Ariz.*, Tucson, 236); White-fronted Dove, 21 (*Tex.*, Santa Ana, 21); Road-runner, 86 (*Ariz.*, Parker, 21); Groove-billed Ani, 2 (*Tex.*, Laguna Atascosa and Santa Ana, 1); Barn Owl, 145 (*La.*, Sabine, 14); Screech Owl, 339 (*N.Y.*, Rochester, 23); Horned Owl, 542 (*Md.*, Southern Dorchester Co., 19); Snowy Owl, 88 (*Mich.*, Bay City, 8); Hawk Owl, 2 (*Alaska*, College, 1; *Kans.*, Linn Co., 1); Pygmy Owl, 8 (*Calif.*, Monterey, 5); Burrowing Owl, 66 (*Fla.*, Miami, 37); Barred Owl, 344 (*Fla.*, Monroe, 26); Great Gray Owl, 1 (*Ont.*, Port Arthur, 1); Long-eared Owl, 136 (*Ind.*, Lafayette, 18; *N.J.*, Great Swamp, 18); Short-eared Owl, 295 (*Del.*, Bombay Hook, 22; *N.J.*, Cape May, 22); Saw-whet Owl, 29 (*Iowa*, Iowa City, 4).

Chuck-will's-widow, 4 (*Fla.*, Key West, 2); Whip-poor-will, 5 (*Fla.*, Miami, 2); Pauraque, 27 (*Tex.*, Laguna Atascosa, 19); nighthawk (sp.), 2 (*Calif.*, San Diego, 2); White-throated Swift, 302 (*Ariz.*, Parker, 141); Ruby-throated Hummingbird, 29 (*Fla.*, Miami, 14); Black-chinned Hummingbird, 10 (*Calif.*, Los Angeles, 10); Costa's Hummingbird, 1 (*Calif.*, Los Angeles, 1); Anna's Hummingbird, 551 (*Calif.*, Los Angeles, 259); Allen's Hummingbird, 2 (*Calif.*, San Francisco, 2); Belted Kingfisher, 2085 (*Fla.*, Coot Bay, 126); Green Kingfisher, 8 (*Tex.*, Del Rio, 7).

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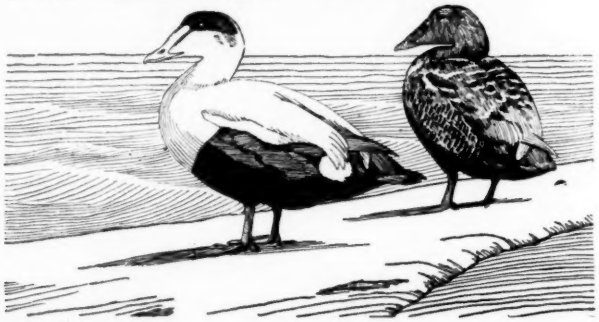

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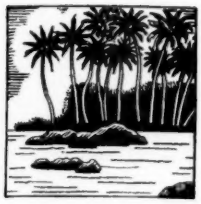

Cooperative Study of Fall Migration

There has been such a fine response to the request for spring migration dates for selected species that the study is being extended to include the fall migration period as well. Since few species sing during their southward movement and since fewer observers are afield in fall than in spring, fall migration data are comparatively hard to obtain in large quantity. Therefore, we are especially anxious to obtain reports from all active field observers and feeding station operators even if they can furnish information for just two or three species.

Many of the species on the spring migration list are so dull colored, silent or retiring in fall that they have been omitted from the fall study. In their place are six additional species. The present list contains both nocturnal and diurnal migrants, early and late ones, solitary and flocking species, each one included for a specific purpose. In some cases the data will be used by research workers who are studying the movements of a particular species; in other cases they will be used to correlate bird migration with weather conditions.

Please specify the STATE, COUNTY, PLACE OF OBSERVATION, and YOUR NAME AND ADDRESS; and list your observations for the fall of 1954 in the following order: SPECIES, DATE OF FIRST MIGRANTS and NUMBER SEEN on that date, PEAK DATE or dates and NUMBER SEEN on each peak date, DATE OF LAST MIGRANT and NUMBER SEEN on that date. It is not necessary to fill in all the information requested for a given species. A single arrival date or peak date will be helpful even if numbers and other dates are not available.

Canada Goose	Crested Flycatcher	Evening Grosbeak
Mallard	Catbird	Slate-colored Junco
Broad-winged Hawk	Hermit Thrush	Am. Tree Sparrow
Wilson's Snipe	Golden-crowned Kinglet	White-crowned Sparrow
Mourning Dove	Myrtle Warbler	White-throated Sparrow
Common Nighthawk	Baltimore Oriole	Fox Sparrow
Chimney Swift	Rose-breasted Grosbeak	

Please send your fall migration data for the above species through your regional editor of *Audubon Field Notes*, or to Mr. Chandler S. Robbins, Patuxent Research Refuge, Laurel, Md.—John V. Dennis, Gilbert S. Raynor, Chandler S. Robbins, James H. Zimmerman.

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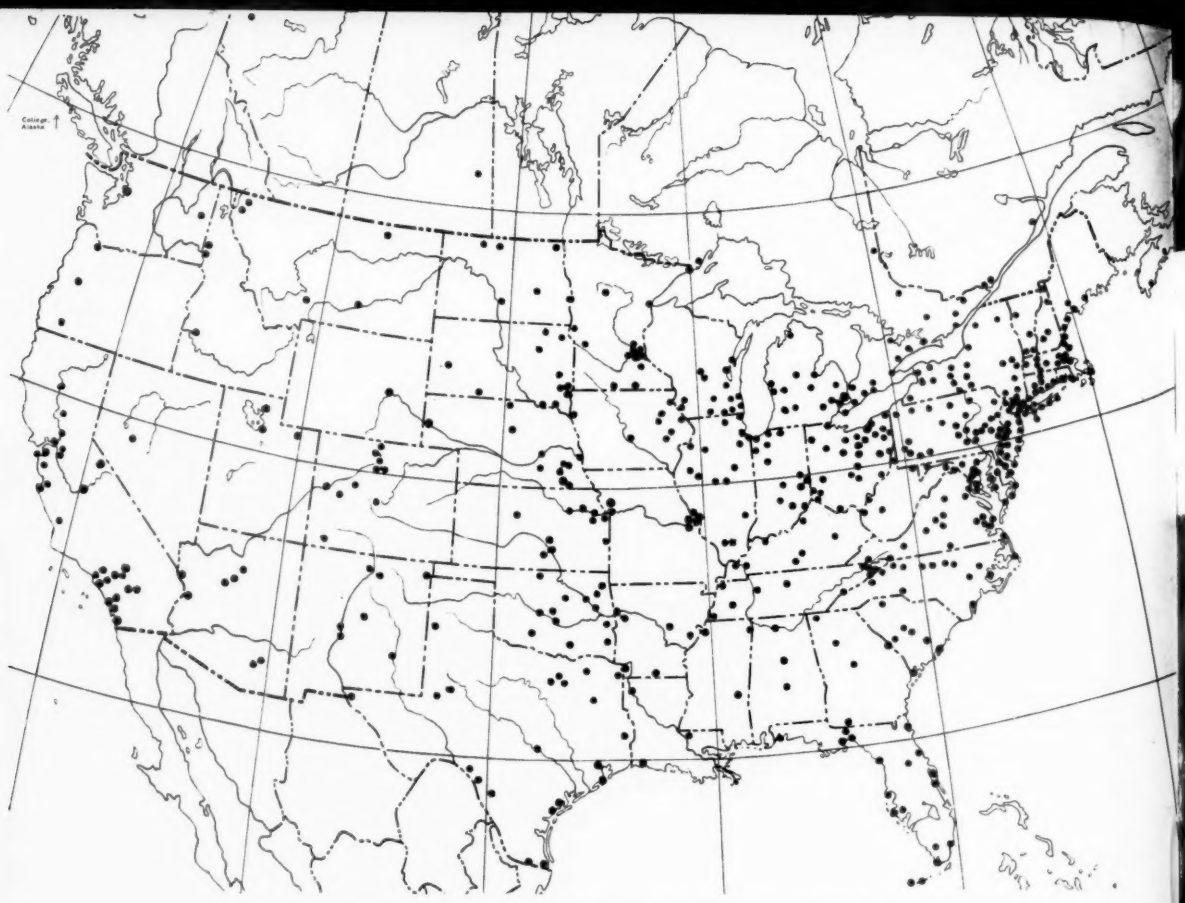

Distribution of the Fifty-fourth Christmas Bird Count

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